

REVIEWS



**SONY**  
RX100 IV



**CANON**  
50MM F/1.8 STM



OLYMPUS  
7-14MM F/2.8

# Smart

**WWW.SMARTPHOTOGRAPHY.IN**

ISSUE 6 | VOLUME 11 | SEPTEMBER 2015

# PHOTOGRAPHY

## LEARNINGS

# THE ART OF **POSING**

# A PEEK INTO LIGHTROOM LIBRARY

# GET RID OF PEOPLE IN IMAGES

# ACCESSORIES

**SPECIAL**

## ALSO REVIEWED

CANON  
PIXMA E560

## Profile

**Ram Pawar**

## Interview

Rupen Kaushal





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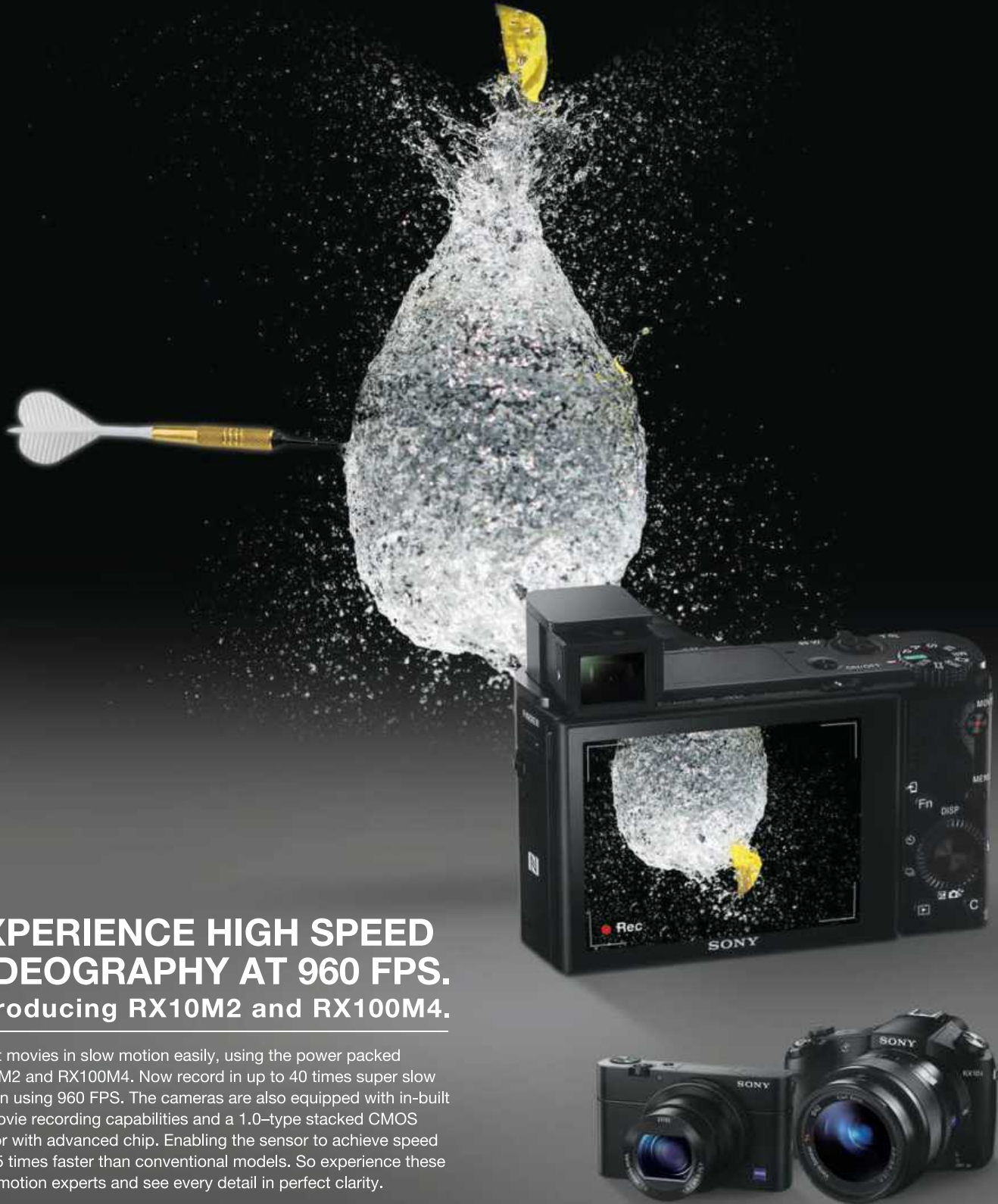
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# WELCOME

## Smart PHOTOGRAPHY

**INDIA'S NUMBER 1 IMAGING MAGAZINE!**



A big threat to photographic freedom is looming on the horizon. We have always felt free to click pictures wherever we went, whether in a city or a hill station or even an art gallery. We therefore expect to have the same freedom when we tour abroad on holiday. Well, some people want to change that. A French member of the European Parliament by the name of Jean Cavada wanted to prevent anybody from taking and publishing pictures of buildings,

monuments and sculptures without the express prior consent of the owner. Imagine the consequences of this move. It could well mean that to publish a picture of Buckingham Palace, you would have to take the permission of the Queen! Fortunately, such lunacy hasn't occurred to our authorities, yet.

The current issue is an Accessories Special. Hopefully, you will be able to locate and buy the accessory you always knew you wanted..

□ H. S. Billimoria

## HERE'S WHAT MAKES US #1

**WE ARE GLUED TO THE GLOBAL IMAGING INDUSTRY**

Our team is updated with all the benchmarks and road blocks that the field of photography and imaging across the globe experiences. This helps us record the changes in the global perspective, thus making us the first to predict which products will be a rage in the Indian markets.

**WE'RE IMPARTIAL**

Loyalty towards our readers is a given, and their best interests are always on our mind. Every verdict is honest and not influenced by advertisers or personal favorites. So when we say a product is a 'BEST BUY', then, it is just that!

**OUR TESTS ARE CONDUCTED BY EXPERTS**

All equipment go through a series of tests at the hands of our experts. Our reviewers are experts in the field of photography across the country and have many years of experience. That gives us the foresight to distinguish between a passing trend and a big change in the field of photography and imaging. And finally, our reviews are not extended to just fill up the pages!

**WE ARE HERE TO HELP YOU**

There is no debate on why we are here. Our sole goal is to provide you options and better your judgement in product purchase while, sharing tips and tricks to improve your images. Our biggest joy is in building a bridge between you and your perfect picture!

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Editor - Hoshang S Billimoria

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**Just a moment!**

Readers can find the updated Buyer's Guide, log on <http://smartphotography.in/news/monthly-special>

Smart Photography thanks the readers who participate in the *Picture of the Month* contest. We would like to bring to your attention a few changes in the rules for submission. From now on, you may send in your images with the longer side measuring atleast 17 inches. Please note that the images have to be horizontal. This permits readers to submit panoramic shots, which was not possible with the current size of 17 x 11 inches.



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Smart  
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INDIA'S NUMBER 1 DIGITAL MAGAZINE

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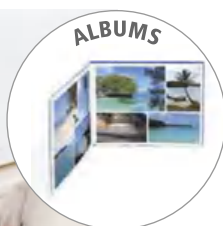


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### Important information for photographers travelling to Africa

We have been informed by a well-wisher that the vaccination requirement for travelling to Africa has been changed. Earlier, it was mandatory to take Yellow Fever vaccination only but now one has to take Polio (oral) vaccination too.

Note that there has to be a gap of at least 10 days between taking the yellow fever vaccination and reaching Africa; similarly, there has to be a gap of at least 30 days between taking the oral vaccination for polio and reaching Africa.

This information has been given to avoid disappointment later since the concerned authorities in Africa are empowered to either quarantine you or send you back to India if these requirements are not met.

### Enthusiasm

Dear Editor,

I am a newbie when it comes to photography, but reading this magazine has motivated me to pursue this art with a greater vigour. I hope that someday I can photograph some beautiful animals. For that day to come, I make sure I go out and take pictures. 'Ask Uncle Ronnie' and 'If I Were You' are a treasure trove of photography insights. Thank you.

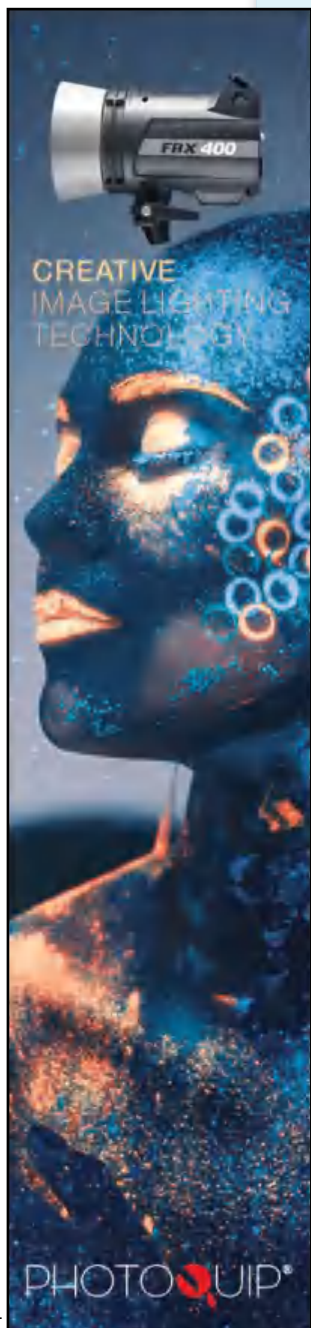
Regards,  
*M.Surve*

### Perseverance

Respected Editor,

Thanks to 'Smart Photography', I have taken photography much more seriously than just taking a digital camera or relying on my smartphone to take pictures. Reading this magazine has been an eye-opener of sorts as I have realised the potential of a camera and the power of good technique. I have just purchased a D-SLR. I am hoping that I hone my skills and soon get featured in this very magazine!

Yours Respectfully,  
*K.Syed*



# Canon

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## CANON PHOTOMARATHON INDIA

2015



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Bengaluru	Good Shepherd Auditorium, Museum Road, Bengaluru	10 Oct. 2015
Mumbai	Rangsharda Auditorium, Bandra, Mumbai	31 Oct. 2015

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\*Terms & Conditions apply.



## Snippets

**Schneider Kreuznach** has announced that they are not venturing into the Micro Four Thirds lens market. The company also stated that they have discontinued the production of compact cameras. Schneider Kreuznach will be focusing on the automotive, security and medical technology industries.

A new web series has been created by **Nikon**. It comprises of 48 episodes of D-SLR tutorials, which deal with different techniques and advantages of using a D-SLR simultaneously eliminating myths. These videos are divided into 24 tutorial videos in Hindi and English each. They focus on various genres of photography. A DVD of these videos will be included in every sales pack of D-SLR cameras. Over 24 lakh views have been noted for these videos on YouTube.

**Razer** has added to the immersive gaming experience by unveiling a 3D-sensing camera at the Intel Developer Forum. The device makes use of Intel's RealSense to keep a tab on movement in games whether the gamer is using a desktop or sporting a VR helmet. It can keep a track of head movements and a lot more details, which will be revealed once the camera arrives approximately in the first quarter of 2016.

## Panasonic releases Lumix DMC-GX8

**P**anasonic Corp. has raised the bar with its all new Lumix DMC-GX8—a 4K video capable digital camera. The model has been launched with substantial upgrades such as a one of its kind dual image stabiliser for still and movie. This enhanced system ensures shake-free images by counteracting vibrations using a combination of six-axis stabiliser incorporated in the camera and lens— 4 for the body and 2 for the lens.

The Lumix DMC-GX8 also features a 20.3 MP Micro Four Thirds LiveMos sensor. The camera's 0.77x (35mm equivalent) Live View Finder (LVF) tilts 90 degrees to offer comfortable shooting options for different situations. Its free-angle touchscreen monitor can move sideways (180 degrees) and up and down (250 degrees).

Built with magnesium alloy, this lightweight camera is splash and dustproof. It is expected to be sold at 145,000 yen.



With the newly added 4K features, photographers can also extract an 8 MP still from 4K burst images without any hassles and with precision. In the 4K pre-burst mode, photographs are taken a second earlier before the shutter button is pressed so as to not miss out on any key moment. Another new addition is the 'Focus Select mode.' With this option, focus can be changed after pictures have been taken provided that they are displayed on the LCD monitor. The user will simply touch the point, which he or she wants to focus. Panasonic will roll out the software for this function later in the year.

## Fujifilm announces X-T1 IR

Fujifilm North America Corporation has unveiled the all new Fujifilm X-T1 IR (Infrared)—a one of its kind advanced infrared X-series mirrorless camera that is a boon to technical experts, law enforcement, medical research and other scientific communities. Nearly similar to the Fujifilm X-T1, this new camera incorporates advanced infrared technology to see light from the ultraviolet, visible and infrared portions of the light spectrum (approximately 380nm-1,000nm).

In scenarios which involve crime scene investigations, healthcare diagnostics, fine art photography and more, this

camera can prove to be handy because of its 16.3MP APS-C X-Trans CMOS II Sensor. The camera has retained the 100% silent electronic shutter of the X-T1. This camera's electronic viewfinder allows perfect night vision with an infrared light source, normally invisible to the human eye.

The camera's exterior is constructed of magnesium alloy and is weather resistant, making it perfect for photographing in different weather conditions.

The camera will be made available for purchase October 2015 onward at USD \$1,699.95.

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# Nokia turns its attention towards virtual reality

**N**okia has taken wraps off Ozo—the first commercially available virtual reality (VR) camera—meant for professional content creators. The camera was first conceptualised at the company's research and development facilities in Tampere, Finland. Ozo was first revealed at an industry event held in Los Angeles. The pricing and specifications will be revealed soon. The camera will be manufactured in Finland and its shipment has been estimated by Q4 2015.

Ozo captures a stereoscopic 3D video through eight synchronised global shutter sensors and spatial audio through eight integrated microphones. The software for

this camera allows real-time 3D viewing with a playback solution that eliminates the need to pre-assemble a panoramic image, which is quite a time-consuming procedure.

Ramzi Haidamus, President of Nokia Technologies said, "We're thrilled to introduce OZO to the content creation world, and to define a completely new



category of virtual reality capture and playback solutions.

OZO aims to advance the next wave of innovation in VR by putting powerful tools in the hands of professionals who will create amazing experiences for people around the world. We expect that virtual reality experiences will soon radically enhance the way people communicate and connect to stories, entertainment, world events and each other. With OZO, we plan to be at the heart of this new world."

## Canon to automate domestic camera factories in Japan

Canon Inc. has plans to set up automated manufacturing production systems in domestic factories for digital cameras by 2018 to reduce production costs by 10% to 20%. As per the plan, machines will be placed on assembly lines. From lens to components to finished products, everything will be produced in the 4 plants of Japan. The company estimates that the assembly costs will be halved to a great extent. Canon will put in about 13 billion yen (US\$104) to create such a technology. A laboratory will be set up on the grounds of Oita factory that manufactures parts for SLR cameras. The laboratory is

expected to begin its operations by the end of next year.

Approximately 500 engineers will work on creating robots to take over the jobs of assembly line workers. Canon will find jobs for the displaced workers.

In the past too, Canon eliminated the human element from the manufacturing of key lens components in 2013 but skilled hands were required for tasks such as assembling delicate electrical components, model-dependent outer casings and so forth.

Digital cameras contribute about 800 billion yen to the revenue earned by Canon. This is nearly one-fifth of the total sales. The company is leading the market with a 30% share though the market is shrinking and the price competition is increasing.

The idea to automate portrays Canon's attempt to find a new pattern for domestic factories. Digital camera plants in China and Taiwan like the ones in Japan are incurring problems like shrinking labour pool, rising personnel costs etc. The company aims to set up a manufacturing network that can deal with aspects like exchange rates and wages.

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# Velbon Corp. announces 5 portable Monopods

**V**elbon Corp. has released 5 portable monopods, which have been available from July 2015.

The Ultra Stick R63Q has been developed for full-frame interchangeable lens cameras. It has 6 sections with a maximum diameter of 30 mm as well as a universal pan-head. The folded length of the model is 400mm and can extend up to 1,640mm. It weighs 680g and the suggested list price is 19,700 yen.

The Ultra Stick R60 is similar to the R63Q, but has a magnesium alloy platform. The model's folded length is

32mm, extendable up to 1,550 mm. It weighs 368g and the list price is 12,000 yen.

The Ultra Stick L60 is designed for lightweight interchangeable lens cameras. Its folded length is 314 mm, extendable up to 1,550mm. The model weighs 275g and is priced at 8,600 yen.

The Ultra Stick M52 makes use of a slim pipe that has a 21mm diameter. The 5-section pipe has a compact universal pan-head. The folded length is 355mm extendable up to 1,370mm. The model weighs 257g and is priced at 8,000 yen.



The Ultra Stick M50 with a tube diameter of 24mm is for lightweight interchangeable lens cameras. The folded length is 317mm extendable up to 1,320mm. It weighs 212g and its price is 6,600 yen.

# Nikon adds three more lenses to its kitty

Nikon has released three new Nikkor lenses, the AF-S Nikkor 24-70mm f/2.8E ED VR, AF-S Nikkor 200-500mm f/5.6E ED VR and the AF-S Nikkor 24mm f/1.8G ED.

The AF-S 24-70mm f/2.8E ED VR comes with an enhanced four-stop advantage Vibration Reduction (VR) technology, making it suitable for situations from a wedding ceremony to a chaotic news room. The lens also makes use of the Electromagnetic Aperture control, which allows for consistent exposures during high speed bursts of shooting. The lens also incorporates a new Aspherical Extra-Low Dispersion (ASP/ED) element that is paired with the traditional aspherical ED and High-Refractive Index (HRI) elements for a whole new optical experience.

The AF-S Nikkor 200-500mm f/5.6 ED VR weighs only 2300g including a tripod collar. This makes the lens easy to be used hand-held for an extended period of time. Its optical formula features three ED elements that help in minimising

chromatic aberration and improving sharpness. A smooth bokeh is offered by a 9-blade aperture whereas critical focus is attained through Nikon's Silent Wave Motor Technology.

The AF-S Nikkor 24mm f/1.8G ED allows for some exceptional landscape photography. This lens can create an effective and impactful demarcation between the subject and background. Minimal ghosting and flare can be attributed to the combination of ED and aspherical lens elements.

The AF-S 24-70mm f/2.8E ED VR will be available from late august for a suggested retail price of \$2399.95. The AF-S Nikkor 200-500mm f/5.6E ED VR will be available mid-September onward at a price of \$1399.95 whereas the AF-S Nikkor 24mm f/1.8G ED will be available mid-september onwards at a price of \$749.95.





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## Canon Marketing Japan expects 3% drop

**C**anon Inc.'s domestic marketing arm, Canon Marketing Japan declared its financial performance for the first six months of 2015. A 35% decrease was posted for net profit at 5 billion yen to total revenue of 314 billion yen, down 4.3%. The profit in operation was 8.5 billion yen, a 31.9% decline. The company posted a 5.4% decline for the first quarter of the imaging business. The revenue declined to 78.6 billion yen with a 42% fall of interchangeable

lens cameras, which rose to 53% in Q2 focusing on EOS 7D Mark II and entry-level models. Therefore the the first 6-months sales dropped by 9%.

In Q1, the compact models declined by 23% while in Q2, a 12% gain was noted. Therefore, for the first six months, the revenue declined by 12%.

Inkjet printer unit sales went down by 30% and ink cartridge sales noted a decrease of 23%. The total sales value

decreased by 28%. In Q2, inkjet printer sales rose to 5% thus in the first six months, 14% down. The company has estimated its imaging sales to be 186 billion yen. Interchangeable lens cameras will record a 2% gain whereas lens-mounted compact models will drop by 8% from an estimate of 6%. The company further stated that mid-class digital cameras priced around 100,000 yen and up along with maintenance service for photocopiers will continue to be favourable.

## Nikkei surveys Imaging industry

Nikkei Shinbun surveyed nearly 100 products of which 16 belonged to the imaging and IT industry. The camcorder category has disappeared from the list and interchangeable lens camera category was an addition to the list.

Canon and Nikon have achieved 8.9 percent points and 2.2 points respectively. Sony and Fujifilm's share reduced by 4.4 and 2.1 percentage points respectively. In the interchangeable lens camera category, Canon alone gained share.

When it comes to inkjet printers, Canon moved to the first position in four years replacing Epson. This is attributed to its steady performance of Pixma printer series, which can print directly from smartphones without the use of a desktop. Epson has also released a similar printer.

In the field of Video game consoles, Nintendo managed to retain its top position in spite of losing some shares. Sony Computer Entertainment gained with its PlayStation 4, which created ripples in the global market.

## Fujifilm reports increase in profit for Q1

Fujifilm Corp. stated that it has noted a 49.4% gain in its net profit, which amounts to nearly 24.305 billion yen for Q1 of 2015 on a revenue of 590.918 billion yen. On the whole, a 5.8% increase. Profit in operation soared by 21.3% to 36.193 billion yen.

The Imaging Solutions segment recorded a 7.4% sales gain to 84.870 billion yen along with a profit in operation of 4.5 billion yen that totals up to a 39.4% leap. When it comes to photo imaging business, sale of instant cameras like the Instax series and different designs of instax film rose globally. The number of companies utilising instant cameras went up to 100 from previous year's 70. 1.03 million units of these were sold, which is a 17% gain. An annual target of 4.6 million units has been set. The sales of the company also

increased. This has been attributed to the growth in the value-added printing business.

One of the main contributors to this growth were the sales of year album photo books and shuffle print services.

The Electronics imaging systems' sales decreased because of a drop in sales volume along with a shift to high-end models. The premium digital cameras of the X series delivered a steady performance. The company has plans to venture into sales of broadcast zoom lens that provides an exceptional optical performance with a 4K camera. As for the forecast, the company is anticipating a revenue of 2,580 billion yen indicating a 3.5% gain with an operating income of nearly 190 billion yen coming up to a 10.2% gain. When it comes to net income, a 1.2% gain is expected, which is about 120 billion yen.



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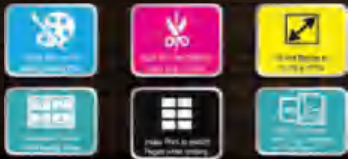
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## 95 million Nikon lenses!

**I**n a new achievement for Nikon, the company announced that its total production of Nikkor lenses, has reached 95 million. The first Nikkor lenses were manufactured in 1959 for Nikon's SLR cameras. Since then, Nikon has produced various lenses that tap different kinds of optical technologies to cater to the photographers' needs. These include the Nano Crystal Coat (anti-reflection coating), fluorite lens elements that offer chromatic aberration compensation and a compact build for telephoto lenses and more.

Kazuo Ninomiya, Managing Director, Nikon India Pvt. Ltd. said, "We are elated to announce the production of 95 million Nikkor lenses, which have been pushing the boundaries of imaging possibilities ever since the early days of camera. At Nikon, we have a history of producing best in the class products that symbolise our spirit and today's milestone is a testament of constantly innovating and providing world-class experience to our consumers, suited for their photographic needs."

Sajjan Kumar, Vice President – Imaging Division, Nikon India Pvt. Ltd. said, "I am delighted to state that, we have propelled to 95 million Nikkor lenses, which is the result of several years spent in R&D to transform each photographer's experience. Maintaining our legacy of producing technologically advanced cameras and accessories, we have introduced elements like Phase Fresnel lens and many more to make the Nikkor lenses compact, lighter and way ahead of the technology curve."

## Canon India launches new multi-function devices

Canon India has released a new range of A3 and A4 colour multi-function devices (MFDs) to further strengthen the Indian colour printing market. The A3 segment comprises of the imageRunnerAdvance (iR-ADV) C3300 series that consists of iR-ADV C3320/C3325/C3330 and imageRunnerAdvance C350i in the A4 segment. With these products, Canon endeavours to expand into the commercial space, especially photocopy shops. These machines have also been targeted at small and medium businesses.

Kazutada Kobayashi, President and CEO, Canon India Pvt. Ltd. said, "Innovation has always been a driving force at Canon and our new series of colour MFDs reflect our commitment towards offering world-class technology, ease of use and high quality to meet customer expectations. India is a land of rising entrepreneurs and we would like to play an active role in increasing the opportunities for them in the colour printing domain.

Our newly launched products shall add value to SME's and government sector's demand for cost efficient, secure and high quality printing solutions."

Accessible printing as well as quick execution of printing tasks can be

attributed to this new range of products from Canon India. Mobile printing is also one of the features. Users can also benefit from the synchronisation with an onscreen walk-through video that provides detailed instructions to users regarding consumables replacement.





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## Tamron launches lightest zoom lens

**T**amron announced a new lens—the 18-200mm f/3.5-6.3 Di II VC (Model B018) for APS-C D-SLR cameras. This lens opens up varied photographic possibilities attributed to its optical and mechanical design in sync with modern times and technology. With a zoom range of 18-200mm, photographers need not go through the hassle of changing lenses while taking wideangle pictures or long distance

telephoto pictures. From portraits to group photos and so on, this lens is an ideal choice. Keeping the aspects of portability and convenience in check, this lens weighs about 400 g. The lens also features Tamron's Vibration Compensation technology. The lens offers quick and noiseless focusing in comparison to models with the usual DC motors. Constructed with 16 elements in 14 groups, the 18-200mm utilises

an LD (Low Dispersion) element to reduce chromatic aberrations. The lens's circular seven-blade aperture diaphragm offers an appealing bokeh with point light sources blurring into naturally rounded shapes. The lens is also moisture-resistant. It further comes with a Zoom lock that helps in preventing unneeded barrel extension when the lens is pointed towards the ground.

## Andrew Koh promoted



Andrew Koh has been promoted to the post of Vice President by Canon India for its Consumer Imaging and Information

Centre, effective July 2015. Koh will be leading this department which also comprises of Consumer System Products (CSP) for laser and inkjet printers and Image Communication Products centre (ICP) for camera products. In his past role as Senior Director of ICP, Canon India has witnessed a stupendous growth in the sales of DSLR cameras & lenses, high functionality compact cameras and Professional Video Cameras.

Koh has devoted nearly 18 years to Canon in which he also served as a marketing manager for Imaging Systems Products following which he headed the Computer Peripheral Division. Koh also led the Consumer Imaging and Information in Singapore as Senior Director and General Manager. He was successful in conceptualising market strategies that reflect the company's vision.

## Indian printers shine at HP Digital Print Excellence Awards

HP Digital Print Excellence Awards recognise atypical achievements and innovations made by the topmost printing companies across Asia Pacific and Japan. This year, there were about 380 submissions from across 16 countries. One of the grand winners was Bengaluru based Canvera Digital Technologies. The company was awarded in the Photo Book- Art category.

Gido van Praag, Vice President and General Manager, Graphics Solutions

Business, HP Asia Pacific and Japan said, "Winners of the HP Digital Print Excellence Awards exemplify those who took the challenge to win their customers' hearts and minds through innovative digital print technology. Businesses and brands today are connecting with their customers to drive more engaging conversations, transform perception of their organisations and ultimately, create the best possible customer experience."

## Get ready for some diverse photographs

Six photographers, B. Chidambaram, Jayanand Govindaraj, J.Ramanan, Ramesh Raja, Sridhar Rao Chaganti and Srirama Raja present 'Diverse Visions-2015'. This photography exhibition will document their individual journeys through their photographs from across the world.

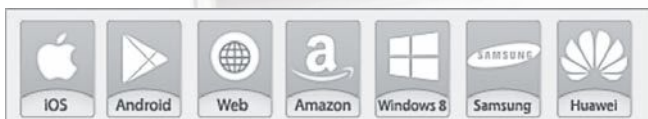
The exhibition will be inaugurated by renowned wildlife and conservation filmmaker, Shekar Dattatri. The inauguration will take place at Lalit Kala Academy, Chennai on 8th September, 2015 at 5:00 pm. The exhibition will be from 9th September to 13th September at the same venue.

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# Transcend launches 8 TB external hard drive

**T**ranscend Information Inc. has taken wraps off its newest device— StoreJet 35T3. This black and sleek 3.5" device offers storage capacity up to 8TB and a USB 3.0 interface. It further provides a transfer rate of up to 200 MB/sec. With this speed, it would be a hassle-free task to transfer a 4.7GB movie, which will take about a mere 24 seconds.

This hard drive features a One Touch auto-backup button. This helps the user in taking an instant back-up and synchronising their data with a notebook or desktop, making sure that

their data is stored in a secondary location.

Another value-added addition is the inclusion of a free download of the Transcend Elite data management software that helps users manage their data. They can perform incremental backups, secure confidential information and a lot more. StoreJet 35T3 is available in 3TB, 4TB and 8TB capacities. The device



comes with Transcend's three-year limited warranty.

# Sightsavers showcases photographs shot by visually impaired photographers

Sightsavers—a development organisation that works to prevent avoidable blindness along with advocating equal rights for people with disabilities— organised a photography exhibition at the Inorbit Mall (Malad), Mumbai. The featured photographs were clicked by visually impaired photographers. This exhibition was a part of 'The Blindview Campaign'—a photography workshop for the visually impaired photography enthusiasts in association with Beyond Sight Foundation. This was supported by Her Highness Sheikh Arwa Al Qassimi—a member of the Dubai royal family.

On the successful completion of the workshop, 20 pictures portraying 7 various themes were selected. These pictures showed a visually impaired photographer depicting an aspect of the blind experience photographed by another blind photographer. A story



unfolded in each picture.

The event also had people signing Sightsavers' petition on change.org, which stated that public transport, media and printed material, goods and services become a lot more accessible to visually impaired people. This petition will

be submitted by the organisation to the Ministry of Social Justice and Empowerment, Government of India.

Amal Gupta, Senior Manager, Brand and Communications, Sightsavers said, "This exhibition is our effort to showcase the glimpses of the life of a blind person - how they perform their daily chores, how they commute to office and so on..."

One of the photographers, Bhavesh Patel added, "We are a part of this society and 'Sympathy' is not what we are asking for. We just want to be treated like any other normal human being in the society. This is a great platform to let people take a look at our 'Vision'"

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# Samsung releases Galaxy A8

Samsung Electronics Co. Ltd. has unveiled the Galaxy A8—its newest addition to the Galaxy A family. Featuring a 5.7" Full HD Super AMOLED display, it is the slimmest galaxy smartphone at 5.9mm.

The Galaxy A8 has a premium design due to its full metal uni-body build and a cut metal frame. The bezel size has been reduced to 2.5mm, which lets users enjoy a nearly bezel-less visual experience.

The smartphone also comes with a wide variety of photography possibilities. It is equipped with a 16 MP camera and 5 MP front camera. Both have an f/1.9 lens allowing for brighter pictures even in low-light situations. The primary camera has a feature known as the 'Face Detection Alarm', which is great for clicking



## Dr. Pankaj Sharma awarded with coveted fellowship



India International Photographic Council has chosen Dr. Pankaj Sharma for its prized fellowship. This is the highest honour that is bestowed

on a photographer by the council on the basis of their photography skills. He presented a collage of 25 pictures on the theme, 'Pretty Uttarakhand'. Following the assessment of his pictures, the council decided to award him with this honour at its Annual Function in Delhi on 19th August, 2015—the World Photography Day.

selfies with the rear camera. With GIF shooting modes and Auto selfie modes such as Palm and Voice selfie, users can capture different selfies in high resolution.

With the increasing popularity of the 4G revolution, the smartphone features a Category 6 LTE that gives quicker uplink/downlink speeds on 4G networks.

Powered by a ( 1.8/1.3) GHz Octa Core processor with 2GB RAM, users can multitask seamlessly. The smartphone has an in-built memory of 32GB, which is expandable to 128GB. Added to this is the 3050 mAh battery that does not drain quickly and offers enough power for a smooth experience. The security detail is in check due to a unique fingerprint scanner.

Asim Warsi, Vice President, Marketing, IT and Mobile, Samsung India said, " We

at Samsung look to continue our legacy of setting new standards for customer-centric innovation. We are really excited about the newest member of the Galaxy A family. Our insights have shown that design and camera are key factors for consumers in this price segment. The new Galaxy A8 marries sleek design, powerful performance and enhanced imaging capabilities to bring a superior smartphone experience. The Galaxy A8 takes desirability and allure to the next level with its superior design coupled with impeccable functionality."

Samsung's Galaxy A8 has raised its portfolio of 4G LTE smartphones offering customers with an even amalgamation of connectivity and quicker downloads.

The Galaxy A8 can be purchased across all channels at Rs.32,500. It is available in White, Black and Gold.



# Attempts at Innovation

■ H. S. Billimoria

Camera manufacturers, in recent times, have been hit badly by the rise of smartphones. The digital compact camera market which accounted for a fair share of the profits of the camera companies is now virtually dead at the lower end of the market. Amongst leading camera manufacturers, only Sony, Samsung and Panasonic make or market smartphones.

No wonder, therefore, that the camera companies have been looking for ways in which they can ride on the back of the success of smartphones. First off the block was Sony with its lens-style camera. With the Sony, you attach a lens to the back of your mobile phone to create something which is more of a camera than a phone. Sony today has three models in its range – the QX1, the QX10 and the QX100. In all these models, a smart lens is connected to the smartphone via Wi-Fi and/or NFC. The screen used is a smartphone screen. Also, images can be edited and processed directly on the smartphone. The disadvantage is that the camera is effectively without any buttons or dials.

Olympus was next to follow and announced the AIR AO1 interchangeable lens camera. Olympus' AIR AO1 appears to be a Micro Four Thirds adaptation of the Sony concept. Olympus has made the camera more user friendly and a host of specialist applications will be available with the AIR AO1.

Panasonic has done some reverse engineering by producing the CM1 which is actually a smartphone with a high quality camera embedded in it. The sensor used by Panasonic is a large 1" sensor and therefore the camera promises high quality images. Panasonic, however, has been very cautious with the CM1 and has limited its introduction to select countries like Japan, UK and the US.

We expect more such introductions from other camera majors in the near future but most of them currently are in the nature of 'work in progress'. Better versions are on the anvil and should hit the market over the next 12 months. |SP



Panasonic Lumix CM1





### A NOTE TO OUR READERS

1. The picture has to be horizontal.
2. Kindly ensure that the longer side should measure atleast 17 inches, at 300ppi.
3. Low resolution images will not be accepted.
4. We do not check images on online galleries.
5. Kindly ensure complete contact/address details are provided. Winners will have to collect their prize from *SP's* Mumbai office or send an authorised representative to do so.
6. Please make sure that your picture does not have your name/logo on it.





**Picture  
of the  
Month**

*Photograph by  
Sandip Bose*

### PICTURE OF THE MONTH

We are sure that all of you have a few pictures that you think are prize worthy. It happens very often that you don't know where to send the image that could put a feather in your cap. If you have such images (we're sure you have many!), send us ONE such horizontal image. If it qualifies, we shall publish it as a double-spread.

- You have to guarantee that the picture was shot by you
- If there are people in the picture who can be identified, we'll need a model release
- The picture should not have been printed elsewhere (magazine newspaper, or offered to any publication)
- Mark the entry as "Picture of the Month" and rename the file using your name
- You may send images via print/e-mail to: Next Gen Publishing Ltd., 2nd Floor, C Wing, Trade World, Kamala Mills Compound, Senapati Bapat Marg, Lower Parel (W), Mumbai 400013 (or) [sphoto.india@gmail.com](mailto:sphoto.india@gmail.com)



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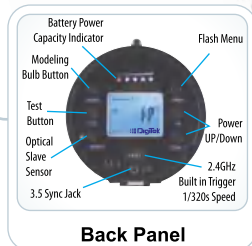
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6. With  $\Phi 3.50$  sync cord, (support external 1/8000s)
7. 7 f-stop 1/64-1/1 step adjustment, precise in power variation;
8. MULTI flash, MULTI times: 5,10,15,20,25 times, Frequency: 1,2,...,10
9. High-speed flash duration: Max 1/11000s



**Flash Duration - 1/11000s**



**Nikon D-90 T:1S Multi=10, Hz=10**

Model	DSF-600 Pro Plus
Output	600 Watt
GN (ISO 100/2m/Standard Reflector)	56
Recycling Time	0.1-4.5s
Power Range	7f-stop (1/64-1/1)
Multi Times	5,10,15,20,25 times
Frequency (Hz)	1,2.....10 times/sec.
High Speed Flash Duration	FP-1/11000, F2-1/9000, F3-1/6000, F4-1/4000, F5-1/2000
Battery-Charging Time	6 Hrs (With Self-Protection)
Color Temperature	5500K $\pm$ 200k
Sensor Distance	$\geq 15m$
Protection Device	Overheating Protection
Triggering Way	100m, with inner 2.4GHz Remote Control
Modeling Bulb	5W LED Light
Buzz	Yes (ON/OFF)
Power Source	Interchangeable & Memory Less Battery
Battery-Charging Way	Plug-in Charging Type
Li-ion Battery	12V-6000mAh



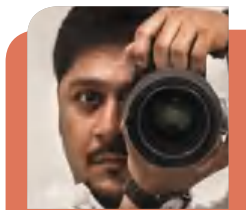
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# Pixels to Plates

As told to **Disha Khemchandani**



Tinkesh Achhipalia

**T**inkesh Achhipalia is a Mumbai-based photographer specialising in food photography. After completing his course from National Institute of Photography, he went on to assist

photographers and also one of the foremost food stylists. It is during this period that he discovered his love for food photography and chose to make a career out of it. He also served as the in-house photographer at BBC Good Food India magazine, which strengthened his love for this genre. To see more of his work, visit [www.shutterbug.co.in](http://www.shutterbug.co.in) | **SP**

Jumbo Bay Prawns







Puran Poli

Camera: Canon EOS 550D;  
Aperture: f/5; Shutter speed: 1/20sec; ISO: 100



Shakarpara

Camera: Canon EOS 550D;  
Aperture: f/2; Shutter speed: 1/80sec; ISO: 100





Karanji

Camera: Canon EOS 550D;  
Aperture: f/5.6; Shutter speed: 1/6sec; ISO: 100



Camera: Canon EOS 550D;  
Aperture: f/5.6; Shutter speed: 1/10sec; ISO: 100

Chirote





Camera: Canon EOS 550D;  
Aperture: f/5.6; Shutter speed: 1/10sec; ISO: 100



Besan Laddoo

Camera: Canon EOS 550D;  
Aperture: f/3.2; Shutter speed: 1/15sec; ISO: 800



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# If I Were You



E-mail your images at [sp@nextgenpublishing.net](mailto:sp@nextgenpublishing.net)

## Our Imaging Expert

*No one can take a picture that everyone likes. But, almost every picture can have scope of improvement. Often, we are not our best critics, while others can immediately point out the faults. In If I were you, our expert comments on how your pictures could be taken to another level.*

□ Rohinton Mehta,

Technical Editor, Smart Photography

Original



## Blue Tiger Butterflies

This butterflies image comes to us from Ullas B. T. from Bangalore. Ullas, let me try to reason out the camera settings you have used. You have used the 70-300mm lens at 300mm setting to get a larger image (at 300mm you also get less DOF). You used the lens wide-open at f/5.6 (because of low light; but this further reduces the DOF). The combination of the wide-open aperture and the longer focal length is the reason that the butterflies are not sharp from edge to edge. Also, most lenses do not offer good sharpness when used wide open.

*If I were you, I would have used a macro lens, provided I had it with me at that time. Whether a macro lens or not, I would have used f/8 for a better DOF and overall sharpness. Of course, I would have had to increase the ISO to 1000 instead of the ISO 500 that you have used, which would have marginally increased the digital noise. And finally, I would have used a tripod since 1/30sec is too low a shutter speed for hand-held photography, especially at 300mm focal length.*

As it stands, the only thing that I could do was adjust the Levels in Photoshop (which has slightly improved the contrast) and sharpen the image locally using the Sharpen Tool. Global sharpening was not applied because that would have also increased the noise in the background.

Camera: Nikon D90; Lens: 70-300mm f/4.5-5.6  
Aperture: F/5.6; Shutter speed: 1/30sec; ISO: 500

Edited





Original



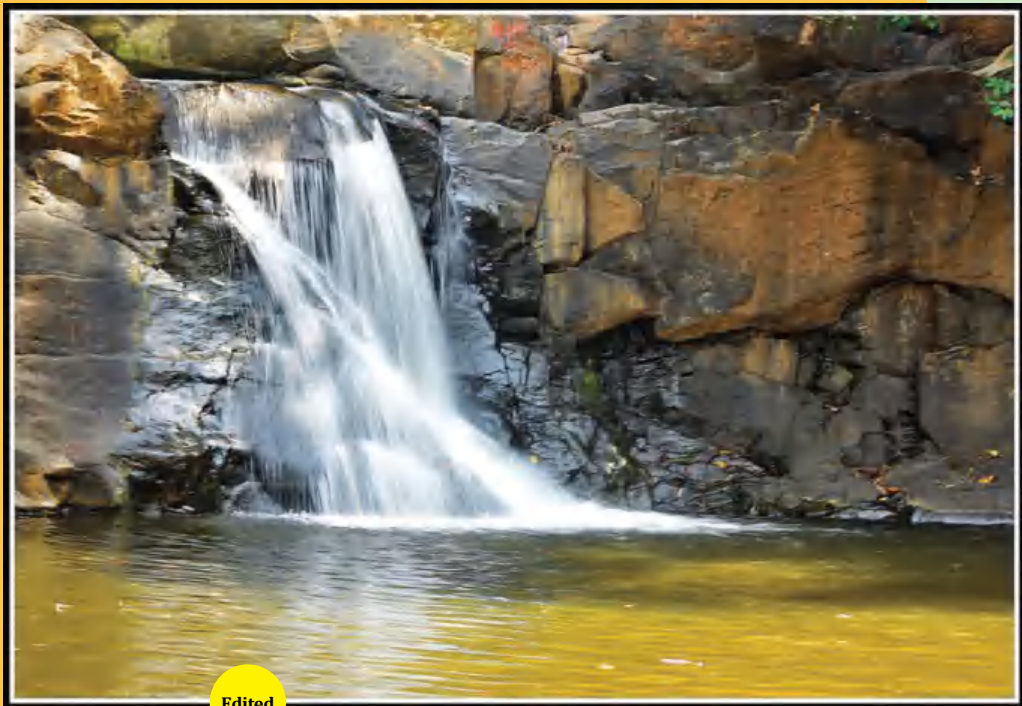
Camera: Nikon D5200;  
Aperture: F/7.1; Shutter speed: 1/8sec; ISO: 125

## The Waterfall

This picture is sent to us by Satyajeeet Sethi from Odisha. He is a beginner and admits that the framing of his picture is poor. He wants to know how this picture could have been better captured. He also asks “what are the parameters I should consider while taking these kind of shots?”

Accepting our flaws is the first step to improvement and success. +1 to you! I also like the fact that you used a slow shutter speed to convey movement to the water.

Some areas of your picture are overexposed. *If I were you*, I would have taken the help of the camera histogram, which would have given me a fair idea of the exposure. If you still have this image on your memory card, insert the card back into the camera and view its histogram. You will see a spike on the right of the histogram, indicating that some areas of the picture are overexposed.



Edited

From the shadows under the rocks, I can see that you photographed the scene when the sun was high up in the sky. Top lighting is not very flattering and should be generally avoided. Side lighting would have been preferable. And when it comes to waterfalls, soft to medium-soft light will ensure that highlights are not overexposed.

Composition (framing) plays a very important role. Please see the edited image. You placed the waterfall in the center of the frame, which could have been avoided. I cropped the picture in a way that places greater emphasis on the main element in the frame – the waterfall. I sharpened the image and also toned it down in Photoshop, which definitely improves the overall feel of the picture.

# IF I WERE YOU

E-mail your images at [sp@nextgenpublishing.net](mailto:sp@nextgenpublishing.net)

*Note: If I Were You is meant to encourage and guide readers, and help them improve their photography. Please ensure that the required camera/exposure details are sent to us (or are available in the EXIF data). We shall not accept images for this section if the required data is not available. Readers are requested to send their images at 300ppi for 8 x 10-inch size. If they are too small, working on them is difficult, and hence they may be rejected.*



Original

Camera: Canon EOS 600D  
Aperture: F/8;  
Shutter speed: 1/160sec; ISO: 100

and automatically corrected for the barrel distortion. You will also observe from the printscreen that I have enabled correction for Geometric Distortion, Chromatic Aberration and Vignette (Why not use these automatic corrections when they are available?)

4. You can Preview (before/after) by checking the Preview box. The Grid

## Barrel Distortion

This scene of the river Ganges taken at Fairlie ghat, Kolkata, has been sent to us by Sayatani Das. She realises that the image suffers from barrel distortion (observe the level of the water; it is bulging outwards at the centre). She asks "How should I deal with it while taking pictures with this 10-18mm lens?"

Sayatani, before we discuss a solution to the problem of barrel distortion, please keep in mind that the setting sun should not have been placed in the horizontal centre of the frame. Use the 'Rule of the Thirds' to guide you in regards to the placement of the sun. Also, if you observe very carefully, the horizon in the original image is tapered – it is leaning slightly to the right.

Most wide-angle lenses suffer from barrel distortion. It is possible to correct for this, but the cost of the lens would increase tremendously. Hence it is easier (and cheaper) to correct for barrel and pincushion distortion using Photoshop.

1. Open the image in Photoshop. Correct for the leaning horizon line using whatever method you are familiar with.



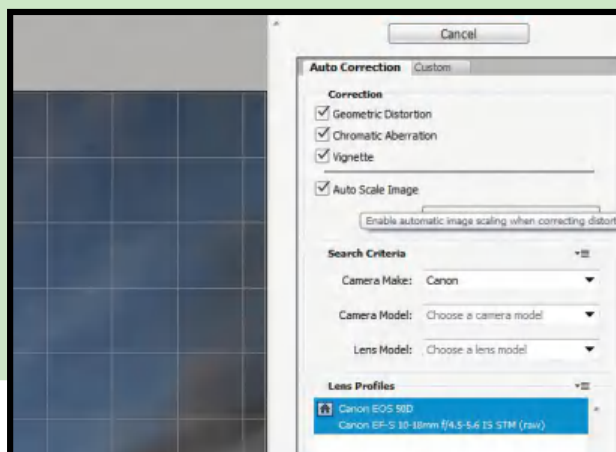
Edited

2. Go to **Filter** and click on **Lens Correction**.

3. When the Lens Correction dialogue box opens, you will notice that Photoshop has found the *Lens Profile*

Lines can be put On/Off if required.

5. You may, if you like, boost the colour saturation a bit as I have done in the edited image.



**Note:** In the printscreen, in the *Lens Profiles* at the right, the camera is mentioned as Canon EOS 50D whereas the camera used is EOS 600D. This is possible because the profile for 600D is not yet included. This probably means that the automatic correction has been done using the 50D profile instead of 600D. **[SP]**

Printscreen



# Ask Uncle Ronnie



## Image Quality

I have observed that some photographers use Hasselblad cameras for wedding photography and get razor-sharp images. Is it possible to get similar quality of images using the best Nikon or Canon cameras with the best lenses like 'Otus' and by using the best photographic techniques?

*Virag Sharan, Jaipur*

There's no two ways about it – the Hasselblad is a superb camera and Hasselblad lenses are amongst the best. Besides their high quality lenses, the larger size film/sensor also play a very important role in their exceptional image quality. But that does not mean that one can not get comparable results using the best of Canon or Nikon (as well as other leading brands) cameras. I would risk my neck to say that, using high-end full-frame 35mm cameras with top-end lenses, one can get image quality that would be indistinguishable from that of the Hassy, as long as one



Nikon D4



Canon EOS 5D Mark III

Using high-end D-SLRs as shown above, you can get very high quality results

does not go overboard on the print size. I think the majority of wedding pictures are not larger than 8x12" or thereabouts. With correct exposing and careful editing, I see no reason why you cannot get image quality that matches that from the Hasselblad.

AF-S 55-200mm VR



Hasselblad-503CW

## Want to Upgrade

I am a beginner in photography. I love doing landscapes and macros. I want to upgrade from a phone camera because of its comparatively high noise level even at low ISO, fixed aperture, and no manual control. My choice is a Nikon D3300 with AF-S 18-55mm VR II and AF-S 55-200mm VR.

1. I want to know if this entire kit is a good choice for me.



Nikon D3300

## 2. Would I need something better even as a beginner?

*Divyansh, via email*

1. Yes, as a beginner, the kit you mention will be good enough for you.
2. Money being no problem, one can always opt for a better system. But a better system is also likely to be more complicated to use! I know of photographers who have bought very expensive equipment (because they have the money), but are unable to produce the kind of images they thought they would produce just by having more advanced equipment!

Once you are able to produce good images with the above mentioned basic kit, and if you find the camera lacking in some features that you just got to have, you may consider an upgrade.

## AF-S, AF-C?

**I am a beginner in photography. I have a Nikon D-SLR. What is the difference between AF-S, AF-C?**

*Jyoti, via email*

**AF-S** (Single Servo Autofocus) refers to Autofocus, Single shot. You select a single autofocus point (almost all cameras these days allow you to choose the AF point within the viewfinder), align it to the subject and half-press the shutter release button. Once autofocus is

achieved, focus will lock. *Unless the focus is locked, the shutter will not release.* An AF confirmation LED will light up in the viewfinder/LCD. You can then press the shutter release button all the way down to take the shot. If the subject moves before you take the shot, you lift the finger off the shutter release button and re-align the AF point on the subject and re-press the shutter release button till you get the AF lock confirmation. You can then press the button all the way down to take the shot.

This mode is good to use for stationary subjects or subjects that move very slowly.

**AF-C** (Continuous Servo Autofocus) refers to Autofocus, Continuous. In this mode, the camera continues to autofocus as long as you keep the pressure on the shutter release button. *The focus never locks* (and you can actually take the shot even if the subject is not in focus!). Some Nikon D-SLRs also have what is called Dynamic AF and Predictive Focus Tracking. If the subject moves before you can press the shutter release button all the way down to take the shot, and if you have enabled Dynamic AF, the camera will track the subject as it moves from one sensor to another across the frame. If the subject moves towards you, Predictive Focus Tracking steps in.

It calculates the distance the subject will move between the first press of the shutter release button and the actual opening of the shutter and focuses on the spot where the subject will be when the shutter actually opens.

Understanding autofocus – how and why it works – in its entirety, is much more complex than what's mentioned above.

## Overly scared!

**I love to see photographs of raindrops on flowers and leaves but I am horrified with the idea of taking my camera out during the rainy season. Do other photographers really risk their cameras in the rain? How do they manage to photograph those lovely water droplets?**

*D. L. Ajmera, via email*

There is really no reason to be unduly scared about rain water damaging your camera, as long as you take reasonable care. Carry a large plastic bag and if you are caught unawares, just cover the camera with the bag. To be doubly safe, wear an oversized raincoat which can also cover the camera when necessary. Some of the best pictures are shot during the rains and by staying indoors, you may be missing out on some great opportunities.



Shown above is the 3-position switch for continuous, single and manual focus

Any lens that allows you to focus very close or a macro lens would be ideal. Frame the water droplets (presumably on a leaf or flower) and focus carefully. Manual focus and Aperture Priority is suggested. Select an aperture depending on the zone of sharpness you want – narrow aperture for greater depth of field; wider aperture for shallower DOF. But keep an eye on the shutter speed the camera selects. Ideally, for hand-held photography, the shutter speed should be at least the reciprocal of the effective focal length. This means that if you are using a 90mm macro lens for example and you are using a APS-C sensor camera, the effective focal length would be 1.5x/1.6x for Nikon/Canon cameras respectively. Your shutter



speed should be in accordance to this guideline, though there is no harm in having a faster shutter speed. If at the required aperture, the shutter speed falls below the recommended level, you can increase the ISO sensitivity as needed.

A simple trick often employed is to add a little glycerine to a glass of water and spray this solution on the flowers/leaves. Because of the glycerine, the water droplets will stay put for a longer time and make life easier for you.

## Getting Rid of People in a Scene

**If I remember right, some years ago you gave us a method of eliminating people from a scene. Though I have most of earlier SP magazines, I somehow don't seem to have the one that described the method. Could you please explain again?**

*Arjun Somaya, Nagpur*

Please check the Learning section. You'll find it there.

## Wide-angle images not sharp?

**I could be wrong but I have noticed that pictures taken with ultra wide-angle lenses, though with greater depth of field, are not as sharp as those taken using telephoto lenses. Would you agree?**

*L. R. Sahani, Amritsar*

Under certain circumstances, it may be possible for you to get that impression. Let's take an example. From the same camera position and using identical aperture, you photograph a person using a 24mm lens and a 200mm lens. The person in the wide-angle shot will be smaller in size and show more of the background, whereas the person in the telephoto shot will be larger and may hardly show any background. You now enlarge the main subject (the person) to a same common size. If you do that, you would be enlarging the person in the wide-angle shot much more than in the telephoto shot. In spite of the extra DOF with the 24mm lens, the telephoto lens picture may appear sharper since it would be enlarged to a lesser degree.

Shot at f/2.8



Shot at f/16



This could possibly give you the feeling that you describe.

**Which setting is correct? Many photography books and magazines show different aperture settings for close-up and macro shots. Some say to use f/4 while some say to use something like f/11. Which is correct?**

*C. R. Kadam, via email*

Depending on what you wish to convey, both could be right! When shooting macro and using wider apertures (like f/4 or even f/2.8), you can restrict the depth of field to emphasise a part of the subject. For example, using a wide

aperture, you can keep the eyes and head of a caterpillar sharp and blur the remaining body. You could focus sharply on a particular petal of a flower and blur the remaining flower for a creative effect. But if you wish to have the entire caterpillar sharp, or the entire flower sharp, you may need a narrow aperture like f/11 or f/16.

Do keep in mind that when a macro lens is used very close to a subject, DOF is shallow even at narrow apertures. When shooting a landscape at f/16 for example, the DOF will be enormous, but the same lens at the same aperture will have low DOF with a very close-by subject. **|SP**





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# SMART TRAVEL C O N T E S T





# Cities brought Alive

As told to **Disha Khemchandani**



Rupen Kaushal

Rupen Kaushal's photography journey began at the age of 14 when he was gifted a medium format box camera—the AGFA Synchronobox. After reaching high school, he upgraded to a Hot Shot 110 S. He was also able to strengthen his foundation further with a film SLR camera. His business of export and manufacturing provided him with ample opportunities to travel the world and capture his memories with a Kodak DC265 and finally his Canon EOS 5D Mark III. To see more of his work, visit <http://www.rupen.photography/>

## What are your memories of early experiences with the camera?

My love for photography started when my grandfather gifted me a camera at the age of 14. It was a medium format film camera that would give me 12 frames per roll. In spite of the limitation of resources and the exorbitant costs of developing or printing, my love for photography increased. I also used a Hot Shot 110 S camera primarily for taking pictures of special family

occasions. Later, I purchased my first digital camera—Kodak DC265—from Germany. I started perfecting my technique and eventually moved to professional cameras, which allowed me to photograph locations the way I imagined them to be.

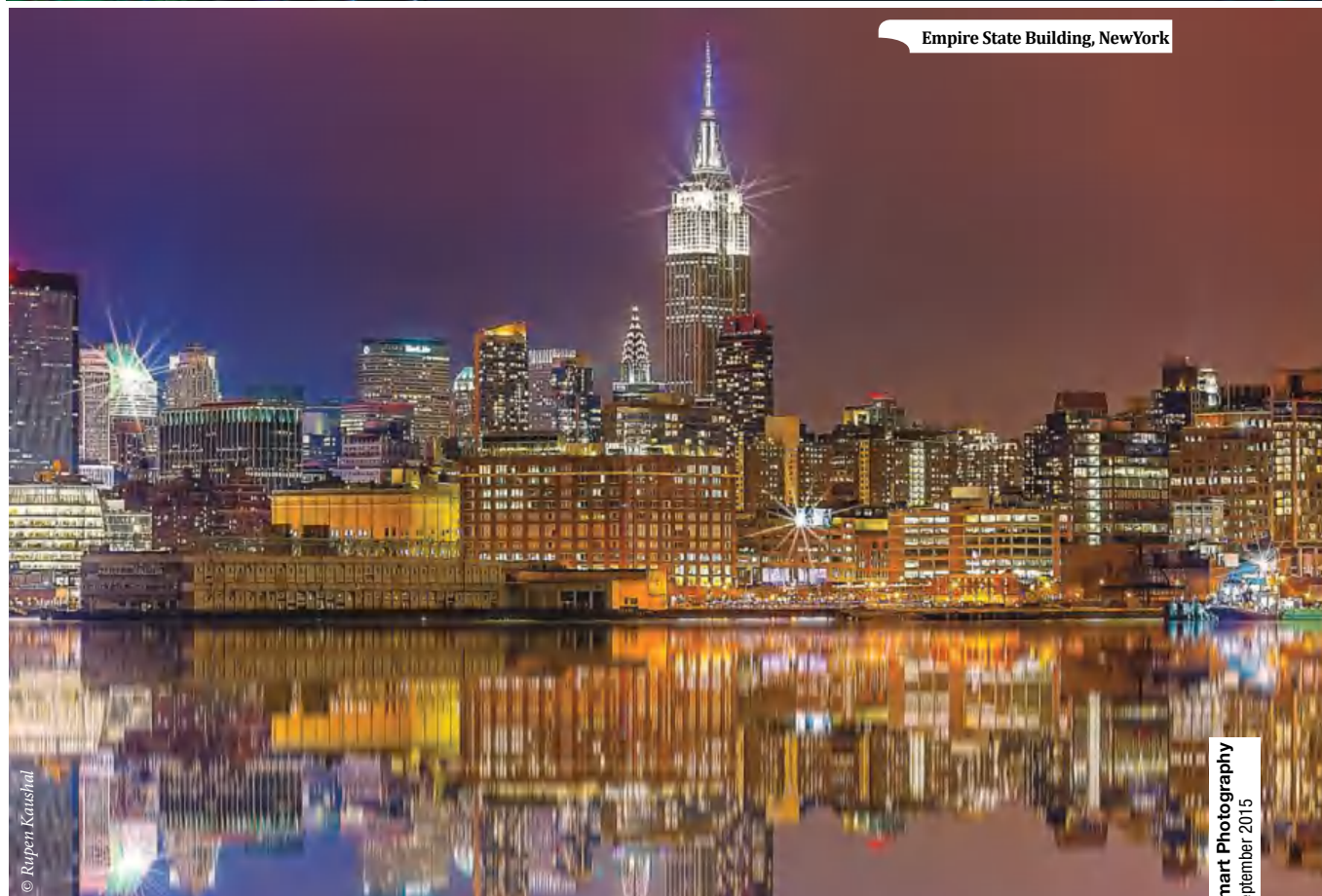
## Do you believe in technique over experimentation or vice-versa and why?

I believe in experimentation over





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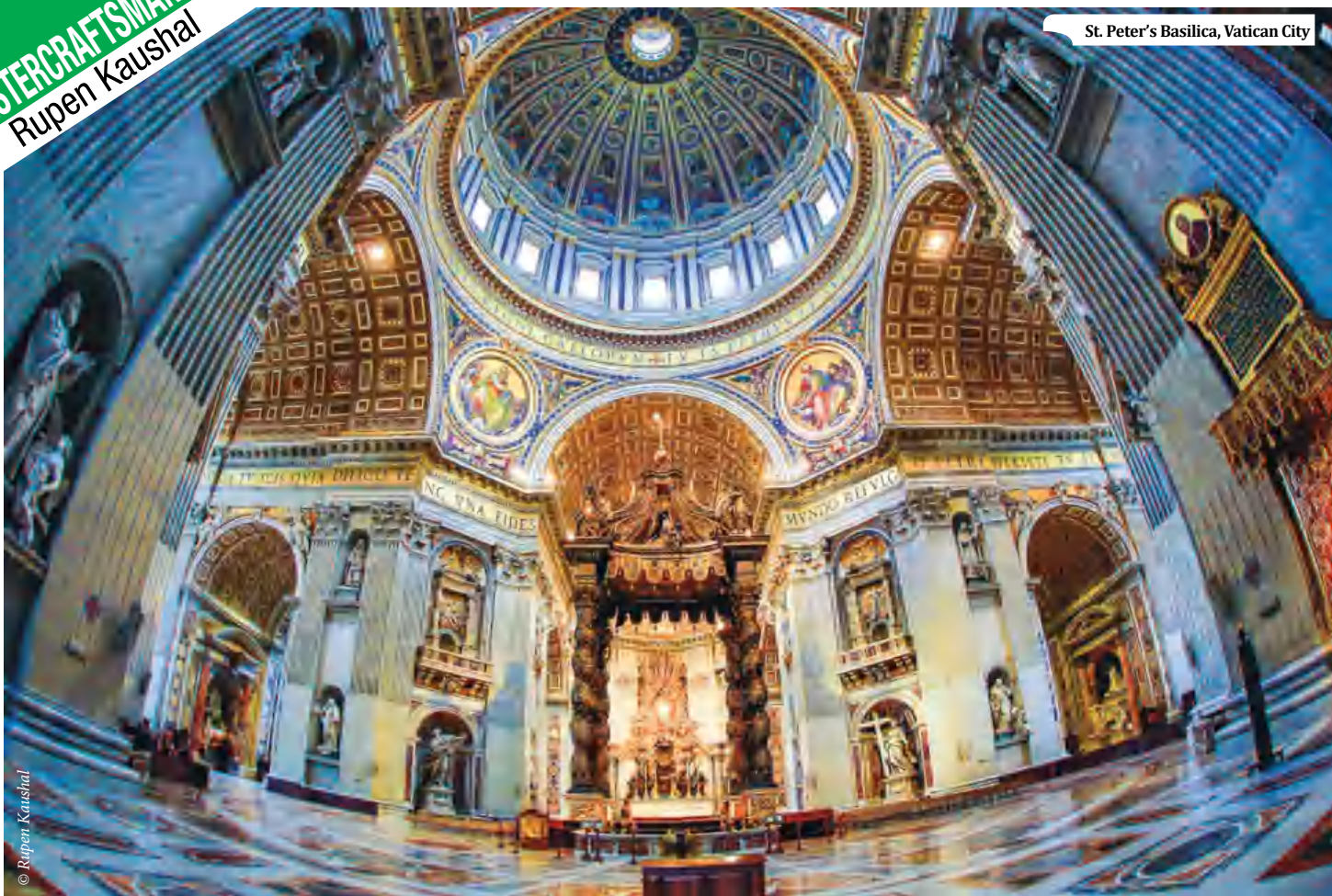
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© Rupen Kaushal

technique. To experiment and make errors is the best way to learn. I have seen amateurs, who are afraid that they will not take pictures properly and go through a lengthy learning curve. I always wanted to go out and experiment more and get as many bad pictures as possible to review them later. This helped me master the technique with deep understanding of the math and science in conceptualising an image.

#### **What are your sources of inspiration?**

Sometimes, inspiration comes naturally and the rest of the times, one has to work his or her way around. In my humble opinion, inspiration cannot be created if one does not take the time and allow it to develop. The idea of taking pictures until something happens just does not work. One has to create the atmosphere. In my case, my family was my first source of inspiration. For several years, I photographed only the

family. Then came my business related travels. Working with my clients across the globe gave me opportunities to travel frequently and see different things, places and absorb their unique culture. This was a big source of inspiration. Nature is another source of inspiration. Recently, I spent a week at Death Valley National Park in California. The surroundings were so beautiful that I had to photograph their beauty. When I was also a part of a photographer's club



Taj Mahal, Agra



in my town, I got valuable inputs from my fellow photographers, which further helped me in improving my technique.

#### **What can one usually find in your camera bag?**

After saving considerably over these years, I have been able to build up my Pro Kit. I carry the Canon EOS 5D Mark III, Canon EOS Rebel T4i 665nm IR converted body for Infrared Work, Canon EF 16-35mm f/2.8L II USM,

Canon EF 24-70mm f/2.8L II USM, Canon EF 70-200mm f/2.8L IS II USM, Canon EF 70-200mm f/4L IS USM, Canon EF 85mm f/1.2L II USM, Canon EF 50mm f/1.4 USM, Sigma 10-20mm 1:4-5.6 EX DC HSM, Sigma 15mm f/2.8 EX DG Diagonal Fisheye Autofocus, Sigma 150-500mm f/5-6.3 APO DG OS HSM, Tamron 28-300mm f/3.5-6.3 Di VC PZD, Canon Speedlite 580EX II Flash, Canon Speedlite 90EX, Set of Filters - CPL, ND, VND, Elinchromes

BX500 Ri - 4 Nos along with softboxes and backdrops.

#### **After photographing a particular image, how do you know that the image is perfect?**

Practice makes you perfect – Over so many years of practice, I have reached a stage where the moment I press the shutter, my inner instinct tells me if I am going to get this picture the way I want or not. I thrive to get the picture right while clicking than struggling during post-processing. However, I do use Photoshop and Lightroom to give some finishing touches to my images before sharing it.

#### **Which is your next location for photography? What points do you consider while selecting a place?**

After photographing quite a bit in Denmark, Germany and Italy, I want to take pictures of Santorini in Greece. It is a beautiful location. Some of the points I consider while selecting a location are accessibility, scenic beauty, ease of travel and safety.

#### **How many times have you been able to photograph a location just the way you imagined the picture?**

Some destinations are easy while others require a lot of effort. Photographing Manorala in Italy was quite challenging. One shot took me about 10 hours. I am perfectly alright with not putting my camera down till I get a picture the way I visualise it to be. It is not easy but the feeling is amazing when you capture a picture the way you thought of it.

#### **Have any photographers influenced you?**

Yes, many photographers have influenced me and the two most important ones are Scott Kelby—I love the way he takes his pictures and processes them. In the world of infrared, it is Manish Mantani from Boston, USA. His work has influenced me to a great extent, especially his technique of using Infrared.

#### **What would you like to say to budding photographers?**

Go out and click! Don't make an excuse by saying that you do not have the right gear or you don't know the technique to shoot the picture right and so forth. The key to acing photography is to go out and shoot pictures as much as possible. **|SP**



# Eight abodes of Lord Ganesha

✎ R Srinivasan

Begin your Ganesh Utsav festival fervour with a pilgrimage of the eight Ganesha temples in Maharashtra, better known as the Ashtavinayaka.

From end August and around September, the Ganesh Utsav festival fervour picks up. On this auspicious occasion, it would be a good idea to take the blessings of the

elephant God, Lord Ganesha, by taking an Ashtavinayaka yatra or pilgrimage covering the eight ancient temples of Ganesha. Of the eight temples, six are located around Pune and two are

in Raigad district. All the idols are Swayambhu or 'self-manifested' but the form of each idol varies. So let's get to know more about the tour which, usually takes around three days.





### **Mayureshwar of Morgaon:**

Located about 55 km from Pune and along Karha River in Morgaon (with 'Mor' meaning Peacock and 'Gaon' meaning village), this temple looks more like a fort since it is made of black stone and surrounded by a massive 50-foot tall wall. This temple is unique since it has a Nandi (Shiva's bull) statue – usually found only in Shiva temples – at the temple entrance.



### **Siddhivinayak of Siddhatek:**

Situated about 200 km from Pune, in Ahmadnagar district and on the banks of Bhima river in Siddhatek village, the Siddhivinayak temple is considered to be a very powerful deity.



### **Ballaleshwar of Pali:**

Situated about 110 km from Pune and in Raigad district, the original wooden temple in Pali town, between Sarasgad Fort and river Amba, was reconstructed into a stone temple. The temple's construction is such that for some months the sun's rays fall on the Ganesha idol during sunrise. This is the only temple to be named after Lord Ganesha's devotee and the idol here is dressed up as a Brahmin. Also, besan ladu is offered as prasad here instead of modak.



### **Varadvinayak of Mahad:**

This temple is around 80 km from Pune and closest to Mumbai. Varadvinayak means 'the bestower of boons'. An oil lamp (Nandadeep) is said to be burning continuously since the 18th Century and this may be the only temple where devotees are allowed to get close to the idol to perform prayers.

### **Chintamani of Theur:**

About 22 km from Pune, Theur village lies at the confluence of Mula, Mutha and Bhima rivers. Lord Ganesha as Chintamani banishes worries (Chinta) and brings peace of mind.



### **Girijatmaj of Lenyadri:**

About 95 km from Pune, this is the only Ashtavinayaka temple to be built on a mountain. The temple is the eighth out of the 18 caves that have been carved out of the rock face of Lenyadri mountain. The term 'Girijatmaj' is derived from Girija (Parvati) and Atmaj (son) meaning Ganesha is Parvati's son. The temple can be accessed after climbing over 300 steps. Palanquin services can be availed (at a cost) by those who do not wish to climb. There is no artificial light in the temple but it is illuminated during the day by the sun's rays. From the temple one can get a panoramic view of Pushpavati river and Junnar town.



### **Mahaganapati of Ranjangaon:**

About 50 km from Pune, the temple has been designed in such a manner that the sun's rays fall directly on the deity. The Mahaganapati at Ranjangaon is the most powerful representation of Lord Ganesha and has 12 arms.



### **Vigneshwara of Ozar:**

Around 85 km from Pune, the temple in Ozhar town in Junnar district is situated on the banks of river Kukadi. Lord Ganesha, known as Vigneshwara, is the 'remover of all obstacles' and the main idol is flanked by idols of Riddhi and Siddhi.



To get to all these temples, there are regular bus services from Mumbai and Pune and package tours too are organised by private tour operators. So go ahead and enjoy visiting these temples in the vast scenic windswept locales of interior Maharashtra. |SP

# Architectural Finesse

As told to **Rohinton Mehta**

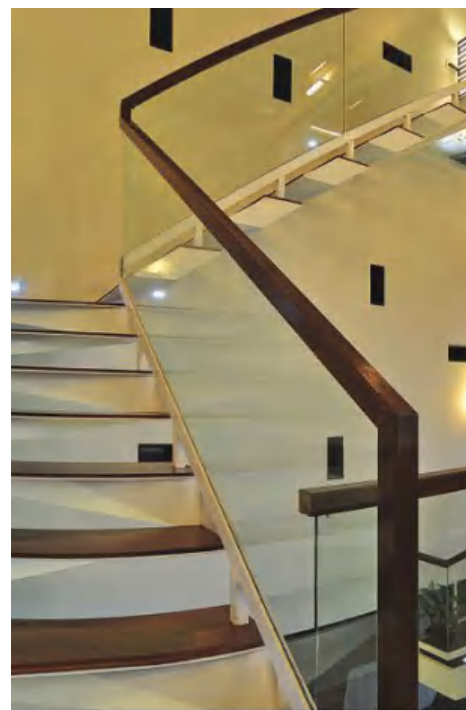


**Ram Pawar**

1999 to 2010. In his tenure, he did food photography,

Ram Pawar began photography in 1996 as a hobby and eventually it became his career. He was a freelance photographer for Nashik Times (supplement of The Times of India) from

celebrity and news photography. In 2006, he took admission in Sir J. J. School of Arts, wherein he received the first prize for portrait photography and night photography. He has also been the recipient of two state-level awards for wildlife photography and nature photography in a contest organised by 'Chhand' magazine, Pune. He began his studio 'Ram Pawar Photography' in 2008 in Nashik. He enjoys interior, industrial, architectural, product and fashion photography. To know more, please visit '[www.rampawarphotography.com](http://www.rampawarphotography.com)'



**Good Times**







Camera: Nikon D300S;  
Aperture: f/7.1; Shutter speed: 0.3sec

A Perfect Blend

Camera: Nikon D800;  
Aperture: f/7.1; Shutter speed: 1.3 sec; ISO: 100



Tranquility



Camera: Nikon D300;  
Aperture: f/9; Shutter speed: 1.6 sec



Mix n Match



Staircase To Heaven

Camera: Nikon D300;  
Aperture: f/6.3;  
Shutter speed: 1/160 sec;  
ISO: 200

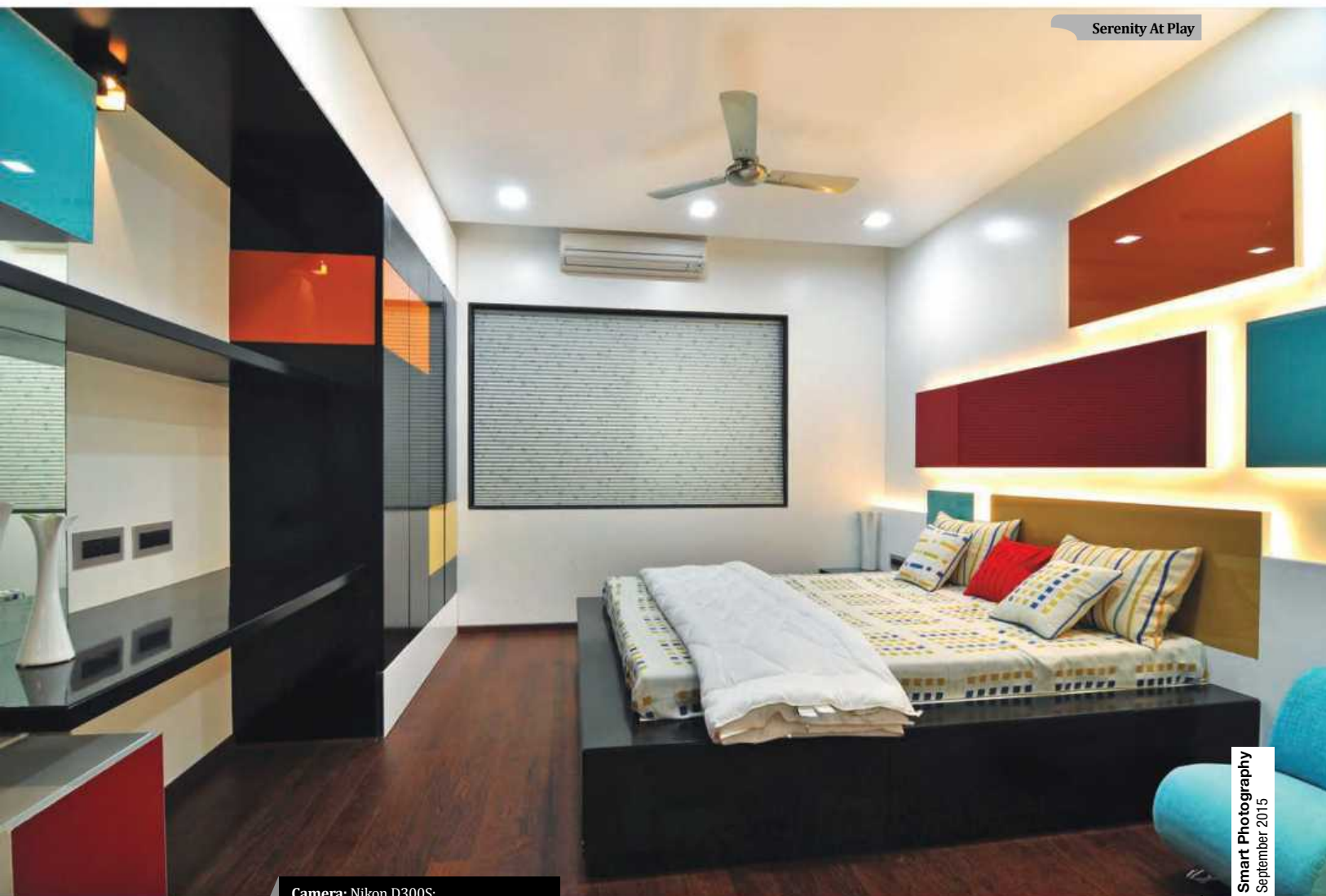


Camera: Nikon D800;  
Aperture: f/9;  
Shutter speed: 0.8 sec; ISO: 500



Pursuing The Divine

Serenity At Play



Camera: Nikon D300S;  
Aperture: f/7.1; Shutter speed: 0.3 sec

Interplay



Camera: Nikon D300;  
Aperture: f/9; Shutter speed: 3 sec.



# ACCESSORIES

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# LAPTOPS, MOBILES, TABLETS AND ACCESSORIES



## Apple Mac Book Pro MD101

**Key Features:** The design uses lightweight but strong aluminium to make sure that your system weighs only 1.35kg to ensure that you have amazing performance without the need of a heavy bag.

The LED-backlit glossy widescreen display is powered by the Intel HD Graphics 4000 card, making sure it can support literally millions of colours, to give you the finest contrast, most vivid colours, sharpest edges and truest blacks, for a viewing experience that you simply can't take your eyes off.

The full-size keyboard, which features up to 78 US keys has been equipped with backlit technology to help its performance and save power at the same time. Also thrown into the mix is the superb multi-touch trackpad which allows you to use complex manoeuvres to help you work faster.

The OS X operating system is pre-installed for your convenience. The MD101HN/A is a laptop loaded with cutting-edge technical components. Whether you want a laptop for work, or entertainment, or for your college assignments, this MacBook is a must-have product.



## Apple Mac Air

**Key features:** It features a fifth-generation Intel Core processor, Thunderbolt 2, great built-in apps and the same all-day battery life.

The 13-inch model gets up to 9 hours of battery life on a single charge. That gives you all-day power for surfing the web or watching iTunes films. Put MacBook Air to sleep for more than 3 hours, and it enters standby mode to conserve battery life for up to 30 days.

A built-in sensor detects changes in the ambient lighting and adjusts the keyboard and display brightness automatically, giving you the perfect illumination in any environment.

It features a unibody design for both the main enclosure and the display. Unibody construction means higher-precision, less complex design with fewer parts. That translates to a notebook that's exceptionally thin and light yet durable enough to handle the rigorous of everyday use.

## Apple iPadAir 2 MH1C2HN/A Wi-Fi 16 GOL

**Key features:** It's power efficient, too, with a 10-hour battery life that lets you work, play, surf, and shop all day long.

It comes with a breakthrough Touch ID technology that gives you an unprecedented level of security because it uses nature's most perfect password—your fingerprint.

It has new features like panorama, time-lapse videos, slo-mo, and burst and timer modes.



Available at: [www.ezoneonline.in](http://www.ezoneonline.in)  
Mail id: [care@ezoneonline.in](mailto:care@ezoneonline.in)  
website : [www.ezoneonline.in](http://www.ezoneonline.in)



The Wi-Fi + Cellular model is equipped with faster, more advanced LTE technology.

It comes with powerful apps for the things you do everyday like surfing the web, checking email, editing movies and photos, writing reports and reading books

## iBall Slide WQ149R

### Key Features:

- IPS 10.1 inch screen
- 2GB RAM + 32GB in built storage
- Ultra stick slot for 3G flexibility
- HDMI port and 2 USB ports, with one in the tablet and other in the keyboard
- Keyboard with rotating hinge



**Available at:** iBall  
**Mail id:** sales@iball.co.in  
**Contact:** 022-3081 5100  
**website :** www.iBall.co.in

## APPLE MAC MINI

**Key features:** It comes with fourth-generation Intel Core processors, a flash storage option that's up to 50 per cent faster and wireless performance up to three times quicker than its predecessor.

It has great connectivity features like Thunderbolt 2 and support for HDTV. Mac mini makes the perfect centrepiece to any setup

Fusion Drive combines a 1TB hard drive with amazingly quick PCIe-based flash storage. Fusion Drive automatically and intelligently manages your data so that frequently used apps, documents, photos and other files stay on the faster flash storage, while infrequently used items move to the hard drive.

Powerful 802.11ac wireless technology is built into every Mac mini. It automatically locates your Wi-Fi network, so you can connect and start surfing the web, printing and streaming your music wirelessly. Bluetooth wireless technology is also built-in, so you can connect accessories such as a wireless keyboard and mouse.



**Available at:** www.ezoneonline.in  
**Mail id:** care@ezoneonline.in  
**Website :** www.ezoneonline.in

## HTC One M9+

**Key features:** It features an intuitive One Gallery that groups your photos and videos with easy organisation and search controls. You can search online sites and social media for photos using facial recognition (Image Match), by date, location or tag.

Its wide-angle lens is designed to capture a larger field-of-view, so you'll get wide backgrounds and all your friends within every shot.

It can stream different music to multiple speakers at the same time, from the ultimate hand-held all-metal remote control.

It recreates a 5.1 surround sound effect to deliver cinematic experience; a dialogue leveller keeps a constant volume so that you won't have to manually adjust.



**Available at:** www.ezoneonline.in  
**Mail id:** care@ezoneonline.in  
**website :** www.ezoneonline.in

## Sony Xperia Z3 Compact D5833

**Key features:** The smart and stylish Sony Xperia Z3 Compact offers astonishing performance and unparalleled entertainment in an exceptionally compact body.

Its compact and lightweight profile makes it easy to carry around in your pocket or purse.



www.smartphotography.in

**Available at:** [www.ezoneonline.in](http://www.ezoneonline.in)  
**Mail id:** [care@ezoneonline.in](mailto:care@ezoneonline.in)  
**Website :** [www.ezoneonline.in](http://www.ezoneonline.in)



It can click images even when you are up to 1.5m under water. All you have to do is ensure that the USB port and SIM slot covers are firmly closed.

It is equipped with an Exmor RS image sensor. This phone delivers smooth images with optimum clarity. Its wide-angle lens and low-light sensitivity ensures that you get perfect shots every single time. You can also go ahead and take your photography experience to a whole new level with the available Sony camera applications. Some of the interesting camera applications featured on the phone are Face In, AR fun and Movie Creator.

## Apple iPhone 6 64GB

**Key features:** Touch ID is capable of 360-degree readability, which means no matter what its orientation — portrait, landscape or anything in between — your iPhone reads your fingerprint and knows who you are. And Touch ID even lets you enroll multiple fingerprints.

It is enhanced by an M8 motion co-processor that efficiently measures your activity from advanced sensors, including a new barometer. So you can do more, for longer periods of time, with better performance and battery life.

Its CPU and graphics performance are faster than on the A7 chip, even while powering a larger display and incredible new features. And because it's designed to be so power efficient, the A8 chip can sustain higher performance — so you can play graphics-intensive games or enjoy video at higher frame rates for longer than ever.

The iSight camera in iPhone 6 features an Apple-designed video encoder and image signal processor built into the A8 chip. They support advanced camera and video features, like new Focus Pixels, better face detection, continuous autofocus and enhanced noise reduction, so it's easier to shoot higher-quality photos and videos.

## Samsung Galaxy S6 Edge 32GB

**Key features:** The larger dual-edge display is more than beautiful. It lends depth to your movies, breathes life into your games. There's room for you to experience more and feel more.

Assign your five favourite contacts and five favourite apps to the Edge. Access them any time by simply swiping inwards from the Edge handle.

No more shaky hand-held videos. Video Digital Image Stabilisation meets Optical Image Stabilisation to ensure clear and steady footage every time

It comes with a 16 Megapixel camera (2988 x 5312 pixels) + Front-Facing 5 Megapixel camera with Dual-Video, Auto HDR, Panorama, and Optical Image Stabilisation.

## iBall Slide Cuddle A4

**Key Features:**

- 2GB RAM + 16GB in-built storage
- Octa Core
- Baby Soft Feel back cover
- Narrow frame and slim design with thickness of just 8.54mm



**Available at:** [www.ezoneonline.in](http://www.ezoneonline.in)  
**Mail id:** [care@ezoneonline.in](mailto:care@ezoneonline.in)  
**Website :** [www.ezoneonline.in](http://www.ezoneonline.in)



**Available at:** iBall  
**Mail id:** [sales@iball.co.in](mailto:sales@iball.co.in)  
**Contact:** 022-3081 5100  
**website :** [www.iBall.co.in](http://www.iBall.co.in)



# STORAGE DEVICES

Available at: iBall  
all.co.in  
022-3081 5100  
website : all.co.in

## iBall Pen Drive - Hybrid Mini

### Key Features:

- High Performance
- Dual plug flash drive to use with PC and tablet / mobiles
- Available in 8 GB / 16 GB / 32 GB



## StoreJet 100 for Mac

**Key Features:** Equipped with a SuperSpeed USB 3.0 interface, the SJM100 portable hard drive offers amazing transfer rates, providing 10 times the bandwidth of USB 2.0, allowing you to save time and boost productivity.

Save up to 512 hours of Full HD video, over 32,000 hours of digital music, or 960,000+ of high resolution digital images.

The outer shell is made of a slip-resistant silicone material, reinforced by an internal hard drive suspension damper, giving it maximum shock-absorption.

One Touch Auto-Backup Button enables you to instantly backup and synchronise data with your notebook or desktop PC, ensuring that your important files are safely stored in a secondary backup location.



## Transcend external hard drive

**Key Features:** Military-grade shock resistance and durable anti-shock rubber outer case

It uses an advanced internal hard drive suspension system and an advanced 3-stage shock protection system

Quick Reconnect Button - after safely removing the hard drive from the system, press to reconnect the drive without having to unplug and re-plug the USB connector

SuperSpeed USB 3.0 compliant and backwards compatible with USB 2.0

Available at: Snapdeal/Amazon  
Phone: 886-955-170-317  
Mail id: ted\_cheng@transcend-info.com  
Website: <http://in.transcend-info.com/apple/sjm100>

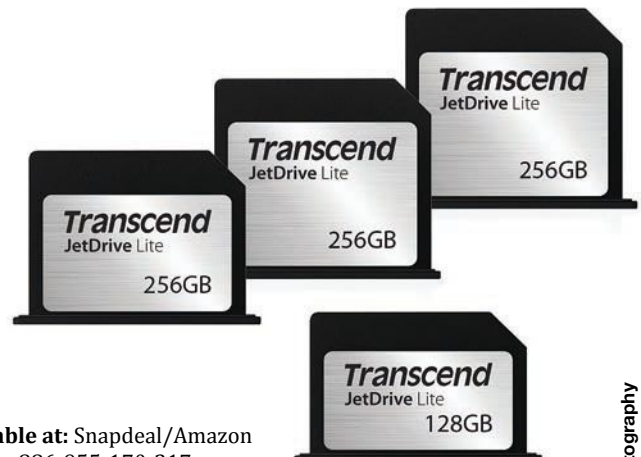
## Transcend JetDrive Lite expansion cards for Macbook

**Key Features:** Simply insert JetDrive Lite into the card reader slot on the side of your MacBook and instantly boost your storage capacity. With up to 256GB available, you can store up to 124,000 photos, 64,000 songs or 3840 minutes of Full HD video.

It includes a free download of Transcend's exclusive JetDrive Toolbox software which allow users to recover accidentally deleted images, videos, MP3 and PDF files in just a few easy clicks.

It is water resistant and is specifically designed for MacBook Air and MacBook Pro with Retina display computers.

Built with the highest quality MLC flash and can achieve read speeds of up to 95MB/s and write speeds of up to 60MB/s.



Available at: Snapdeal/Amazon  
Phone: 886-955-170-317  
Mail id: ted\_cheng@transcend-info.com  
Website: <http://in.transcend-info.com/apple/sjm100>



Available at: Snapdeal/Amazon

Phone: 886-955-170-317

Mail id: ted\_cheng@transcend-info.com

Website: <http://in.transcend-info.com/apple/sjm100>

## Transcend Ultimate 1000x CF Card

**Key Features:** Perfect for ultra-high resolution Full-HD, 3D, and even 4K UHDTV (2160p) video recording

Supports high-speed Ultra DMA transfer mode 7

Built-in Error Correcting Code (ECC) to detect and correct transfer errors

Top-tier MLC NAND flash chips inside provide consistent long-life durability and endurance

## Transcend SDXC/SDHC UHS-I Speed Class 3 (U3) cards

**Key Features:** MLC flash-based performance and reliability

Supports Ultra High Speed Class 3 specification (U3)

Built-in Error Correcting Code (ECC) to detect and correct transfer errors

Improved camera response for fast-action consecutive shooting

## Transcend XC/ Micro SDHC UHS-I Speed Class 3 (U3) 633x microSD cards

**Key Features:** With read and write speeds of up to 95MB and 85MB per second, Transcend's UHS-I U3 (633X) microSD cards offer the transfer efficiency you need

Manufactured with the top-tier MLC NAND flash chips, providing consistent long-life durability and endurance, ideal for action cameras. Additionally, the built-in Error Correcting Code (ECC) can detect and correct transfer errors.

With storage capacity up to 64GB, it works perfectly with your car video recorders, smartphones, tablets, digital cameras and recorders. Feel free to store all your high resolution videos and photos.

Extremely protective i.e; they are waterproof, temperature proof, static proof, X-ray proof and shock proof

## Toshiba Canvio Connect II HDD

**Key Features:**

- High-capacity storage in a sleek compact design with vibrant colours - offering up to 3TB of storage space in a portable design
- Remote access, local and cloud backup and the convenience to share and stream your digital content
- PC and Mac compatibility means you can store and access files without reformatting (included NTFS driver for Mac required)
- USB 3.0 connectivity with USB 2.0 compatibility provides fast performance and convenience, too
- Added storage for your music, photos, videos and files



Available at: Rashi Peripherals Pvt Ltd & Sanghvi Electronics

Phone: 022 - 61911500

Mail id: Polad.garda@toshiba-india.com

Website: [www.toshiba-personalstorage.asia/hdd.php](http://www.toshiba-personalstorage.asia/hdd.php)



## Kingston HyperX Savage SSD

### Key Features:

- With speed of up to 560MB/s read and 530MB/s write
- Best storage for compatible camera manufacturers like Blackmagic, Scarlet and EPIC
- It is also an upgrade for any system involved in high quality post-shoot image processing and editing
- Backed by three-year warranty and free technical support



## Kingston DataTraveler microDuo 3C

### Key Features:

- Its tiny form makes it ideal for the best on-the-go smartphone photography
- Enables instant transfer of photos/videos from smartphones to PC/laptop for editing
- Fast transfer speeds up to 100MB/s read and 15MB/s write
- Comes with a 5-year warranty with free technical support



## Kingston SDA10 SD card

### Key Features:

- Is a professional card, ideal for Full HD video recording, 3D video, fast-action HD stills
- Delivers UHS-I speeds of 90MB/s read and 45MB/s write
- Variety of options for capacity from 16GB to 512GB
- Backed by Lifetime Warranty and free technical support

## Kingston SDCA3 microSD card

### Key Features:

- Ideal for smartphone photography with 90MB/s read and 80MB/s write speeds
- Impressive UHS-I Speed Class 3 (U3) speeds for fast action photos or 4K video recording
- Waterproof, shock proof, vibration proof, temperature proof. Protected from airport X-rays
- Backed by Lifetime Warranty and free technical support

Available at: Niche Retail & E-Tail outlets

Phone: 022 28448400

Mail id: sales\_india@kingston.com

Website: www.kingston.com

## WISE 32 GB CF card

### Key Features:

- Built in UDMA 7 technology support. Industry-leading 1000X (150MB/s) Speed
- Won't drop frames in 1080p Full-HD and 3D Video
- Supports continuous shooting in Raw+JPEG in DSLR cameras
- Fast transfers to computer (150MB/s)



Available at: Royal Broadcasting New Delhi

Contact: Mr. Sachin Khullar

Contact no.: +91-9711198766 /011-26232632/41684250/46584250.

Mail id: sales@royalbroadcasting.com

Website: www.royalbroadcasting.com



**Available at:** Creative Peripherals  
**Phone:** 9004382804  
**Mail id:** rajivw@ecreativeindia.com  
**Website:** www.ecreativeindia.com

**Available at:** Royal Broadcasting New Delhi  
**Contact:** Mr. Sachin Khullar  
**Contact no.:** +91-9711198766 /011-26232632/41684250/46584250.  
**Mail id:** sales@royalbroadcasting.com  
**Website:** www.royalbroadcasting.com

### WISE 32 GB SDHC card UHS-1

- Key Features:**
- Built in UHS-1 technology support. Industry-leading 600X (95MB/s) speed
  - Won't drop frames in 1080p Full-HD and 3D Video
  - Supports continuous shooting in Raw+JPEG in DSLR Cameras
  - Fast transfers to computer (95MB/s)

### WISE 64 GB CF card

- Key Features:**
- Built in UDMA 7 technology support. Industry-leading 1000X (150MB/s) speed
  - Won't drop frames in 1080p Full-HD and 3D Video
  - Supports continuous shooting in Raw+JPEG in DSLR cameras
  - Fast transfers to computer (150MB/s)

### PhotoFast i-FlashDrive evo for ios & Mac/PC

- Key Features:**
- 64GB storage capacity
  - Transfer data between PC/Mac/iOS device
  - External memory expansion for iPad, iPhone, and iPod Touch and Dropbox support
  - Secured File Encryption

# BATTERIES AND CHARGERS



### Panasonic eneloop pro rechargeable battery

- Key Features:**
- Capacity upto 2550 mAh. Can be recharged up to 500 times
  - High-capacity "eneloop pro" is suited for heavy users and equipment consuming a lot of energy
  - Available in pack of 4 pcs, AA blister pack

### Panasonic eneloop Advanced Individual Battery Charger with 4 LED Charge Indicator Lights, Black

- Key Features:**
- Individually charges eneloop and eneloop pro Ni-MH rechargeable AA or AAA batteries
  - 4 individual LED charge indicator lights
  - Battery detection technology - auto shut-off
  - Retractable AC plug

**Available at:** All camera shop outlets  
**Website:** www.panasonicenergy.in



## Envie Infinite rechargeable batteries

### Key Features:

- Ready-to-use. Rechargeable
- Can be recharged up to 1000 times
- Best for high drain devices like digital cameras, mp3 players, camcorders etc.
- Can be used directly from the pack; no need to charge it prior to use

## Envie speedster (ECR-11) charger

### Key Features:

- Can charge AA/AAA Ni-MH/Ni-Cd rechargeable batteries
- Individual charging slots. Charges 1/2/3/4 AA/AAA size batteries at a time
- Super charger. Charges 2100mAh batteries in just 1.2 hrs
- Ideal for travel. World-wide Voltage 100-240v

## Digitek Instant Power DIP 10400A

### Key Features:

- High capacity Lithium battery
- 2 USB outputs, 2.1A max
- Works for least 500 cycles
- Can charge iPad / iPhone / iPod / smartphones / tablets, etc.

## Digitek Six USB Travel Charger DMC 014

### Key features:

- Six USB outputs, 6A max, desktop charger
- Can charge 6 devices at a time
- Can charge iPad / iPhone / iPod / smartphones / tablets, etc.

## Digitek Triple USB Car Charger DMC 012

### Key Features :

- Three USB Outputs, 4.8A max.
- Can Charge 3 devices at a time
- Can charge iPad / iPhone / iPod / smartphones / tablets, etc.

## Godrej GP 8400 mAh Portable Powerbank

### Key Features:

- Suitable for: iPhone, iPad, Android phones, tablet PCs and most USB enabled devices like digital cameras, camcorders, MP3 players, smartphones
- Charge on-the-go: by connecting the power pack to the USB-device
- Safe charging with 4-level safety protections
- Available in trendy and slim design with high-capacity power, GP781 is perfect for those who use tablets for everything, carry multiple devices, or simply require extra power to get through the day



Available at: IMS Mercantiles Pvt Ltd..

Phone: +91-11-47074444

Mail id: info@imsmercantiles.in

Website: www.imsmercantiles.in



Available at: Godrej & Boyce Mfg. Co.Ltd

Contact no:

+91 22 67962692 / 93

Website:

www.godrejbattery.com

www.smartphotography.in



Available at: Godrej & Boyce Mfg. Co.Ltd  
Contact no: +91 22 67962692 / 93  
Website: [www.godrejbatteries.com](http://www.godrejbatteries.com)



## Recyko+ Ready to Use Godrej GP AA Batteries

### Key Features:

- More powerful than Alkaline batteries. Can be recharged over 1,000 times, definitely a very environmental friendly and cost conscious choice
- Stays charged for more than 1 year (when not in use)
- Available in packing of 4 pcs. Pre-charged Ni-MH AA rechargeable batteries with good capacity retention and long lasting

## Ultra Alkaline Godrej GP AA Batteries

### Key Features:

- Lasts longer, even in power hungry devices
- Especially designed for the most popular portable electronic devices
- Reliable portable power

## Kodak smartphone charger 5200mAh

### Key Features:

- Ideal for charging mobile phones and tablets including: iPhone, iPad, HTC, Surface, Samsung, Nokia etc.
- Can be recharged 500 times, Provides up to 5200mAh capacity
- Super fast charge capability
- 12 months warranty

## Kodak smartphone charger 2000mAh

### Key Features:

- 2000mAh Power Banks
- Weight: 69g
- Charging Time: 3 hours
- Warranty: 12 Months

## iBall Powerbank PB-11007

### Key Features:

- Higher attery capacity - 11000 mAh
- Dual USB ports - Charge two devices simultaneously
- Charge your tablets, mobiles and other digital devices

: Ergin Imaging Systems Pvt Ltd  
Contact: 011 27299272  
Mail id: [info@erginimaging.com](mailto:info@erginimaging.com)  
ebsite: [www.erginimaging.com](http://www.erginimaging.com)



Available at: iBall  
Mail id: [sales@iball.co.in](mailto:sales@iball.co.in)  
Contact: 022-3081 5100  
website : [www.iBall.co.in](http://www.iBall.co.in)



# CAMERA BAGS

## Manfrotto Professional Backpack 50

### Key Features:

- It is designed for a Pro DSLR with battery grip, attached 70-200 f/2.8 lens, additional camera body, 5 extra lenses, flash, tablet, 15" laptop, tripod and accessories
- Features CPS - Camera protection System - and Exo-Tough multi-layered construction to give the maximum protection
- Option and proper connections to attach your tripod externally
- Included fold-out protector, which when installed, creates a barrier between the wet outside and dry inside of your bag
- These custom designed dividers have the option to fold out of the way when needed or to be pulled out to protect your equipment in special situations

## Manfrotto Professional Sling 30

### Key Features:

- A professional sling design bag to hold a pro DSLR with attached standard lens, 2 extra lenses, a tablet, tripod and more
- It features the CPS - Camera Protection System - and Exo-Tough multi-layered construction to give the maximum protection
- Both modular and easy to use, these dividers allow you to custom fit the inside of your bag around your gear by creating the exact size compartment for your gear
- Manfrotto's Exo-Tough construction offers rigid multi-layer surface construction that diffuses sharp impact shock

## National Geographic 2346 shoulder bag

### Key Features:

- Holds all your personal gear, along with a tablet. Includes a padded removable insert for a compact DSLR or mirrorless camera, with media accessories

**Available at:** All leading photographic stores

**Mail id:** [Indiainfo@manfrotto.com](mailto:Indiainfo@manfrotto.com)

**Website:** <http://www.manfrotto.in>





**Available at:** Nikita Distributors  
**Contact Person :** Mr. Raman Agrawal  
**Contact No.:** + 91- 20- 30500614  
**Mail id:** raman.jpa@gmail.com  
**Website:** www.imaginext.co.in



**Available at:** Royal Broadcasting New Delhi  
**Contact:** Mr. Sachin Khullar  
**Contact no.:** +91-9711198766 /011-26232632/41684250/46584250.  
**Mail id:** sales@royalbroadcasting.com  
**Website:** www.royalbroadcasting.com

## Quovio 48

### Key Features:

- Made to handle the unique challenges of carrying photo or video gear, versatile Quovio 48s Quick Access main opening enables you to quickly grab your gear on the go by simply pulling its large handle
- Multiple ways to carry: Deluxe strap, thickly padded handles, trolley attachment loop, ICS Harness (sold separately) compatible
- Numerous accessory pockets and accessory holders: 2 mesh pouches and a memory card wallet
- Water-resistant material on bottom with anti-shock feet. Rain cover and name-card holder included

## Sedona 51 BL

### Key Features:

- The Sedona 51 Backpack (Blue) is the perfect bag for photographers needing to carry and protect their gear while hiking or travelling across town.
- One bag for all: backpack, daypack or everyday bag; holding system for tripod, monopod or walking stick
- Security back access, breathable suspension system
- Multiple accessory pockets

## Heralder 49

### Key Features:

- The Heraldier 49 backpack offers ultimate protection for your gear and boasts massive storage capabilities.
- Holds DSLR with telephoto lens attached, a 2nd DSLR body, 5-6 extra lenses, two flashes and boasts a laptop compartment for up to a 15" wide screen. Other features include a tripod carrying system, tablet front pocket storage, rain cover, and accessory pockets
- Multiple accessory pockets, water-resistant material on the bottom
- Additional cell phone holder and accessory pouch, rain cover, name card holder

## RB 107

### Key Features:

- Imported dust-proof and water-proof material
- Unique lightweight design
- Large capacity and full-functioned with camera rain cover
- YKK buckles and zippers, anti-splashing polyester fabric

## RB PHOENIX-1

### Key Features:

- Exterior fabric: Polyester; Interior fabric: Polyester+velvet
- Large capacity and full-functioned with camera rain cover
- Adjustable tripod carrying system with removable belt for separate use.
- Unique overall lightweight design



## Jealiot - 0702

### Key Features:

- Elegant and artistic look
- Synonymous with high quality, professionalism, protection, ergonomics & innovation
- High quality materials
- Decent price

## CAMSAF Camera Bag

### Key Features:

- Secure camera bag to protect digital equipment
- Strong build quality, attractive look
- Spacious, easy to carry
- Cost effective

Available at: Jagdamba Enterprises.  
Contact: 9810258202 / 011-23211774  
Mail id: vijay@jagdambadelhi.com



Available at: CAMSAF Photo Products  
Contact: 9312772653 / 9312556708  
Mail id: camsafphoto@gmail.com

# TRIPODS & MONOPODS

## Gitzo Traveller Kit GK2545T-82QD

### Key Features:

- It is the strongest and most professional Traveler tripod/head kit, comprising the GT2545T tripod and GH1382QD centre ball head
- Ideal for photographers using longer lenses or for those who require the highest stability
- Feet are interchangeable with Gitzo's optional feet, such as spikes and large feet
- Slim design, fully featured, including a friction control knob positioned inside the ball locking knob

Available at: All leading photographic stores  
Mail id: Indiainfo@manfrotto.com  
Website: <http://www.manfrotto.in>

## Manfrotto Befree series

### Key Features:

- Compact, light and portable, Befree is the ideal travel companion.
- Its new aluminum ball head is solid, quick and simple to operate.
- The new patented leg angle selectors quickly allow you to select between two inclinations offering maximum versatility for camera positioning
- It has a maximum payload 4 kg (8.8lb), guaranteeing stability and sturdiness even with longer zoom lenses





**Available at:** Nikita Distributors  
**Contact Person :** Mr. Raman Agrawal  
**Contact No:** + 91- 20- 30500614  
**Mail id:** raman.jpa@gmail.com  
**Website:** www.imaginext.co.in

## Vanguard ABEO Pro 283AGH

### Key Features:

- Loaded with advanced features for rapid setup at any angle - on any terrain - ABEO Pro 283AGH aluminum tripod combines the most celebrated innovations to help take your photography to the next level
- GH-300T Grip head included. Load capacity 17.6 lbs
- Maximum height 71.25"; leg angles of 25, 50, and 80 degrees
- Rubber feet with spikes, snow/sand shoes, all-weather foam grips
- Quick height adjustment centre column, folded height 33.25"

## Vanguard VEO 265 AB

### Key Features:

- Dedicated to photographers who love to travel, VEO tripods offer a new breed of super lightweight, compact usability
- Exclusive rapid column rotation for compact transportation and instant set up
- High loading performance; includes a smooth ball head
- 5-section aluminum alloy legs with 3 different angle options
- Extra low-angle photography option
- Soft rubber handle provides an unbeatable grip in any weather
- Includes a Vanguard TBH-50 ball head with a large and ergonomic main locking knob, bubble level and an Arca- Swiss quick release plate

## Vanguard VEO AM-264 TR Monopod

### Key Features:

- A perfect complement to photographers on-the-go, VEO monopods will help you capture memorable moments from one adventure to the next. Quickly stabilise your shot, then pack your VEO monopod away to fit easily in your carry-on.
- 3 retractable legs, each fitted with anti-slip rubber foot, ball joint for tilt action and smooth panning
- Multifunctional: Use for video, photo and as a walking stick
- Ultimate strength flip-locks to maximize loading capacity, soft rubber handle provides an unbeatable grip in any weather



## Fotopro Colourful Tripod (C4/C5)

### Key Features:

- Elegant colourful look, winner of various design awards
- Centre column with anti-slip groove
- Semi-automatic adjustment system, low-angle shooting
- Tripod hook

**Available at:** Angel Foto  
**Contact:** 022-22612298  
**Mail id:** ashokrawat@gmail.com  
**Website:** www.bigtrands.in



## Slik PRO F730

### Key Features:

- Recommended for compact camcorders, digital cameras, or compact DSLR with small zoom lens attached
- 3-Section legs. 640mm folded length. 3-way fluid effect pan head
- Quick-release shoe for easy mounting and removal of camera or camcorder
- Incorporates geared centre column

## Slik PRO F630

### Key Features:

- Compact and lightweight, just over 22 in. long when closed and weighing just 2.8 lbs
- 3-Way pan-head with quick release plate and anti-twist video register pin (unscrewing the panning knob controls both pan and tilt movement)
- 3-way pan head with long panhandle for sure camera control

## Slik Slim Pod II Monopod

### Key Features:

- Ultra thin and lightweight
- Comes complete with a built-in head and rigid aluminum construction; weighs just 10 ounces
- 4-section speed release leg locks
- Max height: 151 cm, closed height: 53 cm

## ALLMAN TRIPOD

### Key Features:

- Aluminum tripod
- Maximum height 5.1'. Folds down to 17.6 lbs load capacity
- Two-position leg angle stops, dual act
- Arca-Swiss style QR plate, separate head pan lock, integral bubble level



Available at: Inter Foto India pvt ltd  
Contact No.: 1800222239 / 9594781234  
Mail ID: sales@interfotoindia.com  
Website: www.slik.com/



Available at: Photosystems India Pvt. Ltd.  
Contact: 9990630710  
Mail id: info@photosystemsindia.com  
Website: www.photosystemsindia.com



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# LENSES, FILTERS AND BINOCULARS



## AF-S NIKKOR 200-500MM F/5.6E ED VR

### Key Features:

- Integrating a state-of-the-art Vibration Reduction (VR) system and a Silent Wave Motor for superior autofocus tracking
- Electromagnetic diaphragm mechanism that delivers stable auto-exposure control and Nano Crystal Coat to reduce ghosting and flare
- Further protected with a fluorine coating that repels dust, water droplets, grease, and dirt for fuss-free maintenance



## AF-S NIKKOR 600MM F/4E FL ED VR

### Key Features:

- Electromagnetic aperture mechanism that allows for stable exposure control, and a fluorine coat that effectively repels dust, water, grease and dirt for easy cleaning
- In-built Vibration Reduction (VR) system that delivers an effect equivalent to a shutter speed of 4.0 stops faster. Engineered towards uncompromising clarity and sharpness
- Incorporates two fluorite lens and Extra-Low Dispersion (ED) glass elements, together with a Nano Crystal Coat that reduces flare and ghosting



## Nikon ACTION 10X40 CF

### Key Features:

- Sleek binoculars with superior ergonomics, large 40 mm objective lens, 10x magnification and 5m close focusing distance
- Extremely versatile, they offer a bright image and a sharp, undistorted view up to the periphery
- The ideal model for tracking action or for bird and nature watch. The durable and lightweight body boasts of rubber armoring for reliable performance and a comfortable grip
- Aspherical eyepiece lens minimises image distortion from the center of the image to the periphery. Multi-layer-coated lenses for remarkably bright images

Available at: Nikon COOLPIX and D-SLR Zones  
Phone: 1800-102-7346  
Mail id: NindSupport@nikon.com  
Website: www.nikon.co.in



## Tamron AF 18-200mm F/3.5-6.3 DiII VC

### Key Features:

- Completely re-designed inside and outside to give great images
- Allows you to shoot from wide-angle to telephoto using one lens
- Provides vibration compensation with ultimate quality at a great price
- It comes with 2+2 year warranty

Available at: All photography goods shops  
Website: www.tamron.in



## Tamron SP 150-600mm F/5-6.3 Di VC USD

### Key Features:

- 4x ultra-telephoto zoom lens with stabilisation
- Advanced optical design for superior image quality
- Moisture resistant construction allows you to use the lens in harsh environments
- Now comes with 2+2 year warranty and free 95mm multi-coated UV filter



Available at: All photography goods shops  
Website: [www.tamron.in](http://www.tamron.in)

## Tokina AF 10-17mm f/3.5 – 4.5

### Key Features:

- Exclusively for digital SLR cameras with a DX-sized sensors. Combines “full-frame fisheye” (180° diagonal angle of view at a focal length of 10mm) to super wide-angle performance in a single unit
- Rear optical group of lens contains 1 SD (Super-Low Dispersion) glass element to reduce the number of elements in the optical design in order to make the lens more compact, light-weight and faster focusing
- WP (Water Proof) coating made of a special fluoride compound has been applied to the front surface of the new lens through the use of a unique evaporation process. As a result, the lens offers excellent water- and oil-repellent performance and makes for easier cleaning should the lens be accidentally smeared with fingerprints or cosmetics



## Tokina AT-X 11-20 F/2.8 PRO DX

### Key Features:

- An expanded telephoto zoom range and improved optical performance
- Designed for use with Canon and Nikon DSLR cameras with APS-C (DX) sensors
- Bright, constant f/2.8 aperture viewing. Autofocus possible in low-light situations while maintaining portable size and weight
- Designed to stand up to the rigours of daily use by photographers in a wide variety of shooting conditions and environments

## Kenko Artos 12 x 50 WP Binocular

### Key Features:

- Fully waterproof, eco glass and fully multi-coated
- Ideal for astronomical observation in an evening mist or birdwatching in tropical humidity
- A high- eyepoint design and twist-up eye cups provide optimal comfort in viewing with or without eyeglasses
- A click type diopter adjustment ring ensures that any adjustments made will stay securely in place



## Kenko New Mirage 8X30 W

### Key Features:

- Suitable for entry-level nature watching
- Magenta coating with stable optical construction
- Can be attached to a tripod adapter holder. Compact and lightweight body
- Large focussing ring



Available at: Kenko Tokina Imaging India Pvt Ltd.  
Phone: 011-41571155  
Mail id: [sales@kenko-tokina.co.in](mailto:sales@kenko-tokina.co.in)  
Website: [www.kenko-tokina.co.in](http://www.kenko-tokina.co.in)

Available at: Kalabhai Dental Pvt Ltd  
Contact No. : +91 2225774058  
Mail ID : info@kalabhai.com  
website: www.kalabhai.com.



## ExpoDisc 2.0

### Key Features:

- The original professional White Balance filter gets even better! New filter design includes selectable custom warming gels. Whether shooting in RAW or JPEG, photographers using ExpoDisc 2.0 to white balance their images save valuable time during photo editing process
- The ExpoDisc 2.0's new filter mount design attaches securely to lenses and even to low-profile threaded lens filters

## Manfrotto Lumie series accessory portrait filter kit

### Key Features:

- The LUMIE Series Portrait filters are a set of accessory filters that are designed to augment the flexibility and usability of the LUMIE Muse and LUMIE Art LED lights when shooting portraits. The kit includes 8 filters and diffusers to help mimic certain types of lighting that compliment various skin types



Available at: All leading photographic stores  
Mail id: Indiainfo@manfrotto.com  
Website: <http://www.manfrotto.in/product/0/MLFILTERPRT>

## Olympus EW-M1728

### Key Features:

- Ultra-wide-angle zoom range (18-36mm equivalent)
- Extremely compact and lightweight design for a wide-angle zoom
- Four Thirds mount for Olympus and Panasonic DSLRs
- Fits Micro Four Thirds cameras via adaptor

## Olympus WCON-P01 Wide Converter

### Key Features:

- Designed specifically for use with the Micro Four Thirds PEN cameras
- Lens Construction - 2 lenses/2 groups
- Gives a wide-angle perspective to your kit lens



## Olympus 10×50 DPS

### Key Features:

- Provides protection to protect eyes against the sun's harmful rays
- Sharp and bright images with Wide Angle View
- Soft grip rubber coating for easy handling
- Ideal usage: Bird watching, wildlife, camping, hiking, star gazing, sports events



Phone:

073  
com  
com



## Olympus 7x35 DPS

### Key Features:

- Wide-angle field of view for fast-moving subjects
- Large center focus knob for fast and easy focussing
- Rugged, high-quality finish with sure-grip rubber coating
- Anti-reflective lens coating for better image brightness, contrast and quality



Available at: Creative Peripherals  
Phone: +918451041073  
Mail id: s.shetty@ecreativeindia.com  
Website: www.ecreativeindia.com

## Hoya PRO 1D ND8 Filter

### Key Features:

- Aimed at still photography and HD-SLR video markets
- The series provides 9 filters from 2-stop to 10-stop light reduction
- ND filters are designed to reduce the amount of light entering your camera lens; does not have any other effect on the image



## Kenko Variable NDX filter

### Key Features:

- Kenko's uniquely designed variable neutral density filter provides the equivalent brightness range of ND 2.5 to ND 1,000
- The singular versatility of the Variable NDX filter not only replaces a whole set of stacking neutral density filters, it also removes vignetting which may be caused by using multiple filters

## Vanguard Orros 10X42 optics

### Key Features:

- Versatile, multi-use binoculars for general outdoor use
- 100% waterproof and fog-proof
- Crisp, clear viewing with BaK4 prisms and multi-coated lenses
- Non-slip armor

Available at: Inter Foto India pvt ltd  
Contact No. : 1800222239 / 9594781234  
Mail ID : sale  
Website: vv

## Vanguard Endeavor ED II 1042 optics

### Key Features:

- Extra-Low Dispersion (ED) Glass, Phase-Corrected Roof Prisms
- Anti-reflection fully multicoated optics, ergonomic open-bridge configuration
- Durable magnesium-alloy housing, textured center focus wheel
- Nitrogen-filled, water-proof, fog-proof. Click-stop twist-up eye-cups
- Pebbled rubberized armor, tripod mountable with optional adapter



Available at: Nikita Distributors  
Contact Person: Mr. Raman Agrawal  
Contact No: + 91- 20- 30500614  
Mail id: raman.jp@gmail.com  
Website: www.imaginext.co.in

www.smartphotography.in

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Contact Person: Mr. Raman Agrawal  
Contact No: + 91- 20- 30500614  
Mail id: raman.jp@gmail.com  
Website: www.imaginext.co.in



## Nisi Square ND (1000) Filter

### Key Features:

- NiSi's ultra-slim ND1000 is manufactured to the same exacting mechanical and optical standards as the ND2000
- The ND1000 allows you to reduce light entering the camera by some ten stops
- Ideal in very bright conditions or when photographing a very reflective subject

## PENTAX Sport Optic XCF 10x50

### Key Features:

- Pentax XCF features a finely constructed porro-prism design and full-body rubber housing to protect the internal mechanisms and optical elements from shock and damage
- Focus on your subject quickly and easily with a center-focus system that allows accurate and speedy focussing with simple fingertip control
- Features eyepiece rings made of soft but durable rubber material that can be easily folded back to make image viewing easier for eyeglass wearers



## Pentax UCF Zoom II 8-16x21

### Key Features:

- Magnification power ranges from 8 to 16x21
- In-line control system positions zooming, focussing and diopter adjustment together
- Super multi-coated lenses allow more light to enter while eliminating irritating glare and flare
- Aspheric lens elements enhance edge-to-edge sharpness. Packed with performance and portable enough to take anywhere

Available at: All online and retails outlets.  
Mail id: ril.info@ricoh.co.in  
Website: www.ricohstore.co.in



## Marumi Fit + SlimMC lens Protect

### Key Features:

- The best fit filter for all digital photographers
- Protects lens from dust and scratches
- Light weight
- Eco-friendly filters made with lead-free materials



available at: Sri Bala Ji Impex  
: 011-41569765, 23867818  
l id: balajimpex@bol.net.in  
bsite: www.balajimpex.com



## Marumi Fit + Slim Circular PL (77 mm)

### Key Features:

- The best fit filter for all digital photographers
- Increases colour saturation
- Reduces reflections
- Newly designed slim package

## Marumi Fit + Slim MC UV (L390)

### Key Features:

- The best fit filter for all digital photographers and light in w
- Cuts UV rays (390 nm and under) to reproduce a clear image distant views
- Protects lens from dust and scratches
- Eco-friendly filters made with lead-free materials

## Omax multi-coated UV filters

### Key Features:

- Available in 52, 58 and 67mm filter diameters
- High-grade optically coated filters
- Suitable for all major brand lenses
- Economical and efficient filters

## Omax multi-coated CPL filters

### Key Features:

- Available in 52mm & 58mm
- High grade optically coated filters
- Suitable for all major brand lenses
- Economical & efficient filters



Available at: Sri Bala Ji Impex  
Contact: 011-41569765, 23867818  
Mail id: balajimpex@bol.net.in  
Website: www.balajimpex.com

Available at: Omax Photographics  
Contact: Mr. Kawal Chadha  
Phone : 011-23268225  
Mail id: omaphoto@yahoo.co.in  
Website: www.omaxcameracare.com





Available at: Jagdamba Enterprises.  
Contact: 9810258202 / 011-23211774  
Mail id: vijay@jagdambadelhi.com

## Meco ND Filter

### Key Features:

- A Neutral Density filter (ND filter) is a colourless or grey filter used in photography. Ideally, an ND filter can reduce the intensity of lights of all wavelengths, without creating any colour cast
- With ND filters, photographers can control shutter speeds to achieve certain special effects without creating overexposed pictures in all kinds of environments, even when the sun is really bright
- Excellent quality and cost effective

# LIGHTING, FLASHGUNS AND METERS



## Elinchrom Rotalux Soft Box

### Key Features:

Soft box is most useful for product photography, especially bottles and other round reflective items. They be used for portraits and for lighting backgrounds where the size helps avoid light fall-off from top to bottom.

Rotalux soft boxes are lightweight and unlike many other soft boxes, fold down just like an umbrella and can be easily stored in the carrying bag.

Optional hooded diffuser is available to reduce the spread of light.

Available in various sizes dimensions starting from 66 x 66cm to 190 cm.

## Umbrella Varistar Set 85 cm & 105 cm:

### Key Features:

Elinchrom Varistar Umbrella is a versatile umbrella for indoor and outdoor use and is ideal for industrial, portrait and group photography. This produces even light distribution due to its central positioning over reflector and flash.

## 21 cm Reflector with Grid Set

### Key Features:

Elinchrom Standard Reflector 21cm combines high output with a good spread of light and the included grids help you to control the spread of light and produce sharper shadows.

Available at: Nearest Dealer Outlet  
Phone: 022 - 61474000  
Mail id: sales@photoquip.com  
Website: www.Photoquip.com



## Elinchrom Umbrella 85cm & 105 cm

### Key Features:

A premium product range from Elinchrom, the silver umbrella provides a crispy, directional reflected light with sharp contrast while the translucent umbrella produces softer shadows when light diffuses through it. This is an ideal set to add on to any professional kit.

For best efficiency, we recommend the Umbrella Reflector 16 cm or the Grid Reflector 18 cm to direct the light better into the umbrella.



## Elinchrom 44 cm Square Reflector:

### Key Features:

This multifunctional Elinchrom Square reflector comes with a honeycomb grid. Put the honeycomb grid in place and you are left with a soft pool of light ideal for all types of portraiture and small still-life subjects. Without the grid, it functions as a soft wide-angle reflector.

## Beauty Dish (Maxi Soft / Mini Soft):

### Key Features:

Elinchrom beauty dishes are used to produce slightly harder lighting than a soft box and give better definition of facial features. These are perfect for close-up, beauty, and portrait work. The included deflector set modifies the tone and softness. The light can be further softened with the optional shower cap diffuser. A deflector set is free with every Beauty Dish, which is available in gold, silver, frost and translucent color.

## Maxi Soft:

### Key Features:

Elinchrom Maxi Soft with 70 cm of dish diameter, is ideal when working further away from the subject, be it beauty or portraiture work. The white finishing offers a softer touch for glamorous images. While the silver gives a crisp image quality. It's included Deflector Set can modify the colour and softness.

## Maxi Soft- Grids

**Key Features:** Elinchrom Grids for Maxi Soft gives the possibility to control precisely the direction and spread of light while offering sharper shadows. It fits perfect on any Maxi soft Reflector 70 cm.

## Mini Soft

**Key Features:** Elinchrom Mini Soft is 44 cm diameter. Ideal for beauty and portrait work. The white finishing offers a softer touch for glamorous images, while the silver gives a crisp image quality. It includes Deflector Set, which can modify the colour and softness.



**Available at:** Nearest Dealer Outlet  
**Phone:** 022 - 61474000  
**Mail id:** sales@photoquip.com  
**Website:** www.Photoquip.com



**Available at:** Nearest Dealer Outlet  
**Phone:** 022 - 61474000  
**Mail id:** sales@photoquip.com  
**Website:** www.photoquip.com

## Elinchrom Deflector Set

**Key Features:**  
 Elinchrom compacts and flash heads offer the unique centred fitting for umbrellas and deflectors. Deflectors give photographers the freedom to easily modify the hardness or softness of lights. Deflectors, each of 14 cm diameter can eliminate, soften, or tone sharp shadow edges. It is available in gold, silver, frost and translucent colours.

## Elinchrom Poly Stand

**Key Features:**  
 With the Elinchrom Poly Stand – unique sliding column, and adjustable permanently mounted boom – a head or accessory can be placed as high as 335 cm, or as low as 5 cm from floor level. It even folds flat for transporting.

## Background Reflector

**Key Features:**  
 This is a simple, but effective reflector, that has been produced for the specific purpose of illuminating backgrounds. It is mounted onto a head and placed on a low-level floor stand. Provides an attractive background illumination, perfect for portrait photography.

## Snoot & Grid Set

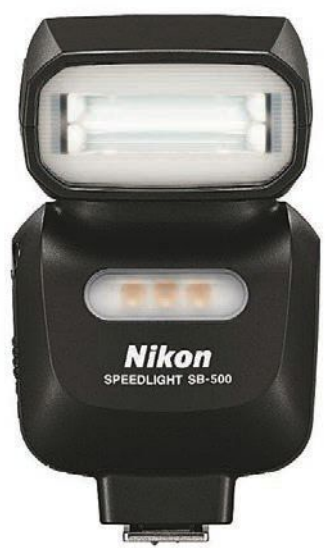
**Key Features:**  
 A snoot is great for producing small, tight areas of light. Add the grid for a smaller but softer circle which is used for highlighting the background and also as hair light in portrait photography.

## Barn door Set

**Key Features:**  
 The barn door set with four side flaps enables full control over the spread of light. This makes it an essential accessory for any portrait or modelling photography. Optional 8, 12, 20 and 30 degree grids are available.

## Nikon Flashgun SB-500

**Key Features:**  
 Compact, lightweight and high-performance LED flash that is perfect for both DX-format and FX-format D-SLRs.  
 The flash head of the SB-500 tilts up to 90° and rotates horizontally 180° to the left and right, reducing unnatural shading.  
 Supports 6 features of Nikon Creative Lighting System — i-TTL mode, Advanced Wireless Lighting, Modeling flash, FV lock, Flash colour information communication, and Auto FP High-speed Sync.



**Available at:** Nikon COOLPIX & D-SLR Zones  
**Phone:** 1800-102-7346  
**Mail id:** NindSupport@nikon.com  
**Website:** www.Nikon.co.in



## Digitek Speedlite DFL 1000T

### Key Features:

- Speedlite with Lithium battery to reduce recycle time
- The same flashgun can be used on Nikon & Canon TTL systems
- High Speed Sync, 2.4G Wireless Master and 2.4G Wireless Slave



**Available at:** IMS Mercantiles Pvt Ltd.  
**Phone:** +91-11-47074444  
**Mail id:** info@imsmercantiles.in  
**Website:** www.imsmercantiles.in

## Digital Octa Series Soft Boxes

### Key Features:

- Size: 110 x 136 cm
- Double diffuser
- Skin fix
- Fix mount

**Available at:** Photosystem  
**Contact:** 011-26859173  
**Mail id:** info@photopro.in  
**Website:** www.photopro.in



## Photopro Boom

### Key features:

- Can be fixed at three ar
- Length – max.6 ft., Min. 3.2 ft, weight – 2.8 kg, 2 (Section) : (0.54mm, 30mm) Rotation Vertically : 160, Rotation Horizontally : 180, Load of full Extension : 4.5 Kg., Max. Extension : 107cm., Min. Extension : 187cm. (sizes are approx)
- Pro lighting support

## JJC Electronic Speedlight SF33

### Key Features:

- It is created for softening the light on the subject. In bounce flash photography, use the built-in bounce card to create a highlight in the subject's eyes, making the eyes look more vibrant.
- Flash index : 33, Circuit design: IGBT, Power source: 4 AA alkaline or Ni-M battery, Battery life: 100-1600 times
- Bounce and Rotating Head
- Diffuser and Reflector



**it:** Angel Foto  
22-22612298  
nokrawat@gmail.com  
www.bigtrains.in

## ALLMAN LED Light

### Key features:

- Dual temperature cool LED light
- Comes without battery
- Attractive price, efficient performance
- Smart Look

**Available at:** Photosystems India Pvt. Ltd.  
**Contact:** 9990630710  
**Mail id:** info@photosystemsindia.com  
**Website:** www.photosystemsindia.com



## Kenko colour meter KCM-3100

### Key Features:

- It has 3 types of displays for balancing light and filtration
- 9 memory channels for customising individual preferences
- Ability to read in either sync or non-sync mode, i.e. without a cord
- CC (Colour-Correction) displays the Kodak filter number(s) of the necessary light-balancing filter(s) to make for easy selection of the required light balancing filter



**Available at:** Kenko-Tokina Imaging India Pvt. Ltd.  
**Phone:** 011-41571155  
**Mail ID:** sales@kenko-tokina.co.in  
**Website:** www.kenko-tokina.co.in

# ALBUMS



**Available at:** Venus Album Co. Pvt. Ltd.  
**Contact:** 09463649900, 9217282828  
**mail id:** hpindigo@venusalbum.com  
**website:** www.venusalbum.com

## Venus Photo Books

### Key Features:

- Printed on HP Indigo 7600 Digital Press
- Available in medium glossy, silky, super glossy, soft touch, glass HD super glossy/silky (NTR), coated pearl, deep leather, special texture film, metallic-M, pearl coated, heavy super glossy and heavy glass HD super glossy

## Venus Eco Photobook

### Key Features:

- Printed on HP indigo WS 6000p Digital Press with Italian binding techniques
- Available in different variety papers like medium super glossy, medium silky, heavy super glossy, medium soft touch, glass HD glossy, glass HD silky, glass HD metallic, metallic-M, special texture paper, pearl coated, deep leather, special texture film, silk photo paper, heavy super glossy and heavy silky
- The high gloss, multicolored products combined with superior quality printing and binding make a souvenir for the future

## Venus Album Covers

### Key features:

- Offers different varieties of covers such as normal digital cover, 3d digital cover, and glittery cover
- Available with combo leather or cloth with name engraving
- Provides customised digital cover pad plus customised photos
- Offers exclusive wooden cover pad and leather cover pad

## Kala Premium Wedding Photo Album

### Key Features:

- First in Rajasthan to introduce emboss printing
- Best quality printing at reasonable prices
- Wide and unique variety of packaging of photobooks
- Wide range of papers



**Available at:** Kala Digital Imaging  
**Contact:** 0141- 2328692  
**Mail id:** kalalab@gmail.com



# PRINTERS

## CANON PIXMA MG7770

### Key Features:

- PIXMA Cloud Link- Print From or scan to cloud services
- NFC compatible
- Auto 2 side print and direct disc printing
- Excellent colour reproduction - 6 individual ink tanks including grey ink



## Epson L850 Photo Printer

### Key features:

- Original InkTank systems with 6 colours for lowest cost per print
- Astoundingly high print resolution of 5760 dpi
- PC-less printing from camera and memory cards; 6.9cm (2.7") colour LCD touch-screen panel
- Print directly on CD/DVD
- Print speed of up to 12 seconds per 4R photo

**Available at:** All leading printer retail outlets and Canon Image Square

**Contact:** Mr. Jaikumar Pillai

**Mail id:** jaikumar.pillai@canon.co.in

**Website:** www.canon.co.in



**Available at:** All leading partners outlets

**Phone:** 080-30515000

**Mail id:** shiva@eid.epson.co.in

**Website:** www.epson.co.in



## Fujifilm ASK300

### Key Features

- This dye-sublimation thermal printer is suitable for photo printing, event photos and various business purposes
- High quality prints are realized by matching Image Intelligence processing technology with Fujifilm Quality Thermal Photo Paper
- All-in-one solution at an affordable price, with a small investment and a small foot print

## Fujifilm FRONTIER –S

### Key Features:

- Ideal printer for Minilab, KIOSK system or event photography with piezoelectric inkjet system
- Newly developed 6 coloured FUJIFILM VIVIDIA (C, M, Y, K, SB, P) dye inks for beautiful reproduction
- Low power consumption- 250 W or less
- Available in print sizes up to 3" x 39"

Available at: Fujifilm India Private Limited

email id: sales-photo@fujifilmindia.com

website: [http://www.fujifilm.in/wheretobuy/photo\\_imaging/](http://www.fujifilm.in/wheretobuy/photo_imaging/)





## Fujifilm Instax Mini 8 and wide 210

### Key Features:

- It can take high-key photo easily. Setting the brightness adjustment dial to the high-key mode mark will allow you to take pictures with a softer impression
- Automatically determines the best brightness for taking a picture and informs the suitable setting by lighting the corresponding lamp
- Available with adjustable print colour brightness, high quality and versatile wide format. Close-up lens for shots up to 45 cm from the subject



**Available at:** Fujifilm India Private Limited

**email id:** sales-photo@fujifilmindia.com

**website:** [http://www.fujifilm.in/wheretobuy/photo\\_imaging/](http://www.fujifilm.in/wheretobuy/photo_imaging/)

# MISCELLANEOUS

## Digi-Cabi

### Key Features:

- It is a dehumidifying cabinet that gives you complete control over Relative Humidity, thereby saving your photo equipment from fungus
- Available sizes: 40, 60, 80, 100, 200, 250 and 350 litres. Also available in horizontal version
- Available with one year guarantee, at a fraction of the cost of your priceless equipment

**Available at:** Kalabhai Dental Pvt Ltd

**Contact No.:** +91 2225774058

**Mail ID :** info@kalabhai.com

**Website:** [www.kalabhai.com](http://www.kalabhai.com)



## Manfrotto Digital Director

### Key Features:

- The ideal companion for pro and enthusiast image-makers who want to make their shooting workflow more effective and intuitive
- Ensures a reliable USB cabled connection between camera and iPad, and through its dedicated app, allows you to monitor the shoot and control the camera settings
- It works with Canon and Nikon D-SLRs and iPad Air 2
- All key shooting parameters can be controlled, starting from different camera protocols
- Video streaming between devices is smooth and consistent, with extremely low latency time
- Download high quality images ultra-fast onto the iPad

**Available at:** Creative Peripherals

**Phone:** 9004382804

**Mail id:** s.shetty@ecreativeindia.com

**Website:** [www.ecreativeindia.com](http://www.ecreativeindia.com)



[www.smartphotography.in](http://www.smartphotography.in)



**Available at:** iBall  
**Mail id:** sales@iball.co.in  
**Contact:** 022-3081 5100  
**website :** www.iBall.co.in

## iBall mSLR Cobalt4

### Key Features:

- Octa Core Processor
- IPS qHD 12.7cm (5") Display
- With 4 lens and protective cover
- 8x telephoto lens
- Fisheye lens
- Macro lens
- Wide-angle lens

## iBall Portable Speaker - LilBomb70

### Key Features:

- Ultra-portable Bluetooth® speaker with MIC
- Voice Prompt alerts and multimedia controls
- Use as wired speaker with AUX input
- Available in multiple colours

## iBall USB Hubs - Uni Hub33

### Key Features:

- Smart design with wrap-around USB cable
- High speed 4 port USB hub
- Lightweight - easy to carry
- Plug-n-play

## iBall Hybrid Dual USB Card Reader

### Key Features:

- Micro SD card reader with dual interface
- Supports smartphones and tablets with OTG function
- Insert Micro SD card and use it as a flash drive



## Freefly ALTA : Drone for professionals

### Key Features:

- ALTA gives filmmakers the power to tell their stories from the sky
- Easy to set up, fly and control the best cameras available, supports a payload capacity of 6.8kg
- Fly the ALTA with the MōVI mounted on top of the multi-rotor for a truly unique perspective
- Synapse - Intelligent Flight Controller, represents a new level of control, precision and reliability for unmanned aerial systems

**Available at:** Cinescope India  
**Contact Person:** Monish Shahani  
**Mail id:** sales@cinescope.co.in  
**Website:** www.cinescope.co.in



## Freefly Movi M5

### Key Features:

- World's best digital 3-axis gyro-stabilised handheld camera stabiliser
- Designed for handheld use, convertible to mount on ALTA Drone for aerial shoots
- Made in USA. Made from carbon fibre, for camera set-ups up to 2.25kg
- Keeps horizon level and counteracts drift, with single and dual operator control modes

## Zacuto Z-Finder EVF Pro

### Key Features:

- An electronic viewfinder with a TFT LCD display. Offers a resolution of 800 x 480 and 16.7M colour
- The EVF Pro allows you to operate a D-SLR or any other camera with an HDMI port
- It is sturdy and efficient for shooting, and ensures correct form factor for the video
- Featuring 180° flip-up mechanism, the optical viewfinder can turn over to one side

## Digitek Selfie Pod with Bluetooth Remote (DBST 001)

### Key Features:

- Handheld and foldable
- It has Bluetooth remote range up to 10m
- Can be extended up to 102 cm
- Compatible with iOS 5.0 and Android smartphones
- Non-slip foam grip, Bluetooth remote

## Digitek Waterproof Bag DWB 001

### Key Features:

Protection for your smartphones from water, snow and dust. IPX8 waterproof up to 10m. Can be carried on your vacation on the beach, boating, fishing, sailing, canoeing, water park, camping, mountain climbing, rainy days, snow etc.

## Digitek cables for smartphones

### Key Features:

Allows you to connect your device to your car stereo, home stereo, portable speakers, sound card or any other output device that has a 3.5mm jack

Use it to play audio from your ipod, MP3 player, smartphone or tablet in the car or connect to your laptop or speaker system

Lets you connect two devices that have audio jack inputs

Available cables for iPad / iPhone / iPod / smartphones. Aux. cables for audio input / output, high-speed data transfer



**Available at:** Cinescope India  
**Contact Person:** Monish Shahani  
**Mail id:** sales@cinescope.co.in  
**Website:** www.cinescope.co.in



**Available at:** IMS Mercantiles Pvt Ltd.  
**Phone:** +91-11-47074444  
**Mail id:** info@imsmercantiles.in  
**Website:** www.imsmercantiles.in



www.smartphotography.in



## Digitek Bluetooth Headphone DBH 001

### Key Features:

- Bluetooth headphone with FM radio
- Can play music from TF Card. Good for gaming and PC use
- Can be used with auxillary cable input. Hands-free calling
- Materials and build quality are emphasized to provide the best listening experience, no matter the genre

## Digitek Bluetooth Speaker DBS 003

### Key Features:

- Bluetooth speaker with USB output / FM Radio / TF card reader / auxillary input
- Hands-free calling with microphone
- LED display alarm clock, 10-watt high-definition sound

## Digitek Power Converter with USB Charging Interface DS3U3

### Key Features:

- Environmental quality of neon/safety energy-saving/silver/ conductive contact switch prevents arcing
- Offers 2500 Watts to use with heavy equipment
- High standard PC alloy fireproof material with absolute security

## Digitek High Speed Multi Card Reader DCR 003

### Key Features:

- High Speed USB 3.0 card reader
- Supports almost all kinds of storage cards
- High-speed data transfer rate
- Support for Windows and Mac



Available at: IMS Mercantiles Pvt Ltd.  
Phone: +91-11-47074444  
Mail id: info@imsmercantiles.in  
Website: www.imsmercantiles.in



## XIRO XPLOER

### Key features:

- High performance 5200 mAh Li-po Smart Battery Pack offers flight time up to 25 minutes
- Built-in intelligence system that continuously reports battery capacity mid-flight
- XIRO batteries also come with self-protection feature: avoid overload or overcharge
- The Xplorer will return home when the flight distance, effective remote control distance or the battery runs low



: Ltd  
: 577  
com  
com

## Gizmon smart clip

### Key Feature:

- It is compatible with a variety of existing electrical and electronics items including smartphones, hand-held gaming devices, web cameras and toy digital cameras
- The stabiliser pad is flexible and hence keeps the lens always horizontal
- Compatible with smartphones and other smart gadgets such as iPhone, Android phones, tablets, cellphones with camera, and portable gaming consoles with camera
- Available in different variations such as Fish-eye , Macro, Centre Focus, Mirage , Cross Screen, CPL



## Gizmon ICA5 SLR for iphone 5/5s

### Key Feature:

- Protects your iPhone with the impact resistant polycarbonate case
- Mock- lens unit is equipped with a mirror for self -portraits
- Black sponge sheet to protect your iPhone



## Gizmon ICA flash

### Key Feature:

- It has a classical flash style but is an LED which can be controlled by iPhone using Bluetooth
- Powerful LED and umbrella make it possible to keep its size compact and obtain a very strong light source in the dark
- It can be attached to Gizmon iCA micro hot shoe
- Charge Lithium-ion battery with USB
- It can be continuously lit for two hours at the maximum



**Available at:** Kenko Tokina Imaging India Pvt. Ltd.

**Contact:** +91-11-41571155

**Mail ID:** <http://www.kenko-tokina.co.in>

**Website:** [sales@kenko-tokina.co.in](mailto:sales@kenko-tokina.co.in)



## Triggertrap Mobile Dongle

### Key Features:

- It connects from the headphone port on your iOS or Android device to the cable release port on your camera
- Compatible with nearly 300 camera models from Nikon, Canon, Sony, Hasselblad, Pentax, Contax, Fujifilm, Kodak, Minolta, Olympus, Panasonic, Samsung and Sigma

## Triggertrap Flash Adapter

### Key Features:

- It bypasses the camera altogether, triggering your flash directly – and with the newest version of Triggertrap Mobile for iOS, Triggertrap has made the app 12 times faster than it was before
- The dual hot shoe mount and cable are compatible with almost all modern flashguns
- The flash adapter is perfect for use with any of the sensor modes in Triggertrap Mobile

**Available at:** All online and retails outlets.  
**Mail Id:** support@urbanbyte.in  
**Website:** www.urbanbyte.in

## Net Protector Total Security

### Key Features:

- Total PC Protection: AntiVIRUS + Total Internet Security
- Detects and stops intrusion of new and unknown worms into your computer
- Complete protection from hackers
- Does not slow down your PC. Consumes very less space and memory

**Available at:** Creative Peripherals  
**Contact:** 9004382804  
**Mail id:** rajivw@ecreativeindia.com  
**Website:** www.ecreativeindia.com





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**Mail id:** ril.info@ricoh.co.in  
**Website:** www.ricohestore.co.in

## WG HOLDER AND CAMERA MOUNT WITH SUCTION CUP

### Key Features:

- Perfect for mounting WG-series cameras to a wide array of surfaces including cars, boats, surfboards, helmets and more
- It mounts securely to most smooth surfaces

## RAYNOX DCR250" MACRO ADAPTER

### Key Features:

- Full-Frame DSLR compatible. Also compatible with HD-Camcorder
- 49mm front filter size
- 2G/3E Hi-index optical glass
- Snap-on universal adapter



**Available at:** Video Links  
**Contact:** 0497-2767290  
**Mail id:** anishvideolink@gmail.com



## Easy cover camera cases

### Key Features:

- Screen-protection
- Fully functional, suits all lenses
- Scratchproof, shockproof

## Photopro Chain Pulley

### Key features:

- Can be used to change backgrounds faster
- Three backgrounds can be mounted simultaneously and changed in a flash
- Manually move up and down with help of three chains
- Efficient and cost effective



**Available at:** Photosystems India pvt ltd.  
**Contact:** 011-26859173  
**Mail id:** info@photopro.in  
**Website:** www.photopro.in



# Photopro 35 Plus

## An Incredible Performer



In modern photography lighting plays an imperative spirit to make images more lively and dynamic. Naturally though using suitable lighting for your photography is an art. One could congregate it with experience and contemporary equipments.

Studio flash lights are key part of this entire process. Studio flash lights present never-ending creative possibilities for the keen portrait or still-life photographer. Studio flash offers several advantages over portable flashguns such as greater output, mains power, the ability to attach a huge range of accessories to mould and sculpt the light they way you want it.

There are several choices of brands and types of studio flash available, offering various levels of sophistication at different prices.

**PHOTOPRO :** One of India's the most reputed brand in the photography industry, Designs, manufactures and markets wide range of PHOTOGRAPHIC PRODUCTS.

The New Photopro 35 Plus Studio flash light is Compact, powerful. It has got heavy duty metal body along with color corrected tube. The most important feature is Twin-Tech Technology. Considering the size of this light, it would be ideal for those professionals looking for small in size but power of 185w sec. It offers benefits of use as well as carry.

Photopro 35 Plus offers key important elements such as Output, Flash Duration, Power Level control, Auto Dump, Recycle Time, Slave Cell etc.

### ACCESSORIES ALONG WITH THE LIGHT

**Light stand, Softbox 60x60 Pro with double diffuser with carry bag, Safety cap, Main cable, Syncro cable, warranty card, box**

### Technical Specification

Flash output (w/s) Max.- 185w, Flash output (w/s) Min.- No, Dimmer-Yes, Half n Full-Yes, \*F.Stop 1meter with 21cm. 55 degree metal ref. with silver reflective- 32 1/3, Recycling Time- 2 Sec., Modelling Lamp-100w, Flash Duration- 1/3000 Sec., Twin-Tech-No, Body-Metal, Weight- 1.350 Kg.



**Available at:** Creative Peripherals  
**Contact:** 9004382804  
**Mail id:** rajivw@ecreativeindia.com  
**Website:** www.ecreativeindia.com



## Belkin 4-Port Ultra-Slim Desktop Hub

### Key Features:

- A multi-USB connector made to provide USB access to other devices that connect to the laptop, Ultrabook or Netbook.
- Features a plug and play system, which means that installing a 'driver' is not required
- Compatible with both, Macs and PCs, allowing for a blistering 480 Mbps data transfer speed
- Especially useful in situations where multiple USB ports need to be occupied simultaneously on your machine.

## Camera Rain Cover M-6399

### Key Features:

- Made in Korea
- Multi rain cover
- Excellent quality
- A must for all professional photographers




ex  
 :867818  
 t.in  
 :om


## SDS Photo Locker

### Key features:


- Protect your pictures from misuse with SDS Photo Locker
- Protect and view pictures in full resolution by SDS Photo Locker as it provides protection by two methods
- One is protection by number of days you want your customer to view images and the other is the number of times a person can click to view the pictures.
- After the given days and number of clicks, photos will be inaccessible. This is a lifetime software.



# SDS Photo Locker



Time Base Locking  
 Click Base Locking  
 Full Resolution Preview  
 No Dongle Required  
 Supports Win XP, Win 7, Win 8



Website: www.sonujeedigital.in  
 e-mail: sonujeedigital@gmail.com  
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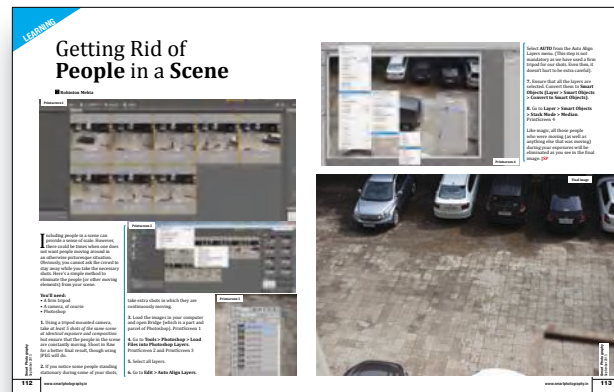
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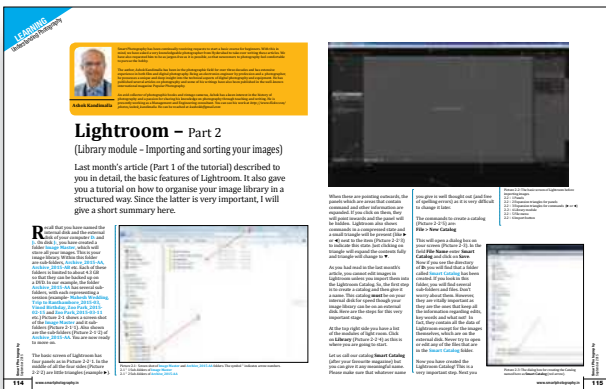
# 102

Striking the Right Pose



# 112

Getting Rid of People in a Screen



# 114

Lightroom - Part 2

# Learnings



Dilip Yande

Having crossed over 20 active years in commercial photography, Dilip Yande says his forte is Fashion and Portrait photography. He believes variety is the spice of life, and to keep himself motivated he does a lot of tabletop as well. For Dilip, names like Rembrandt, Renoir, Gauguin, Picasso, Turner, Monet are household names because of his childhood that was spent in a lineage of fine arts. This 'fine art' reflects in his work because he feels that there is always a little bit of 'you' in everything one does. Having shot for many advertising agencies, juried a few competitions, mentored many workshops, and guided many photographers in their formative years, for Dilip, photography is just another way to romance his first love – art. He may be contacted at [dilipyande@gmail.com](mailto:dilipyande@gmail.com).

# Striking the Right Pose

**Y**oungsters graduating from a photography institute are happy that they have mastered the basics of camera handling or advanced techniques in lighting. But when they start work with a semi-professional or a totally new model, they often find that their shots lack polish. They wonder as to what has gone wrong?

Curious individuals might turn to books, which I feel are men's best friends. They look at the lighting diagrams but yet are unable to understand or find out where the problem lies! The fact is, they have not understood, or not understood clearly, the most important thing that they need to know – what I refer to as 'the hidden chapter in photography' – the 'art of striking the right pose'. *Knowledge of posing is a must for the photographer as well as the model.* No matter how good or photogenic a model may be, or how good her makeup and hairstyling is or how good your lighting and composition are, if she doesn't pose well, the picture is bound to lose its charm.

As explained in one of my earlier articles, posing for a model portfolio is quite different from posing for a product like jewelry, apparels, shampoo etc. At the same time, the photographer has to be clear in his or her mind whether the model's clothing is to be used for e-marketing, catalogue, calendar for a manufacturer/fashion feature or an ad campaign for that brand. The 'shooting language' and posing also differ with every purpose.

To summarize, *in a model portfolio one has to sell the talents and the face of the model*, which includes her ability and flexibility to gracefully carry western/ethnic wear. In case of shoots for e-commerce, the pattern, colour, fall and details of the dress are very important. The picture has to be well lit and the client has to opt for at least three angles for every outfit. In case of a calendar, say 12 sheets, the shelf life of every page is 30 days. Hence the photographs should be full of beauty in all ways. Excellent face, perfect lighting, interesting propping and styling along with poses that keep

the viewer spell-bound for a longer time. In case of an ad campaign, many times the byline is important but the pose should not suggest something different. The ad has to sell the 'brand' of clothes than just a dress. In case of fashion features (at times referred to as editorial shoots), the photographers and models get a lot of liberty in creating a concept and executing the same. (This may differ with the policy of every magazine). They are selling a concept or a style or an attitude. Here all the details of the dress may not be very important, but the overall picture should turn the viewer's attention to search the brand names in the credit lines.

The whole subject is so vast and deep that one can easily write a book on it.

Instead of providing further explanations, let me show you few examples of good and bad posing :

**Picture 1a and 1b:** Both are shot in the same lighting and use the same exposure. **Picture 1a** shows the right way of posing; the hair-



Pic 1 a



Pic 1 b



light has beautifully highlighted her tresses, the frontal soft light along with reflectors has given a very even tone throughout the picture. But an amateur model is likely to make the mistake as shown in **picture 1b**. As a photographer you need to guide her to not tilt her head so much that her nostrils become prominent. Observe too that because of her head tilt, the hair light is spilling on her forehead, highlighting the bridge. Care has to be taken that lighting arranged for a certain pose should not be interpreted in a wrong way due to faulty posing.

**Picture 2:** Prima fascia there is nothing wrong with the picture as far as lighting or exposing is concerned. But, it is not a good picture. The left hand of the model is bending too much at her wrist in almost an inverted 'L shape', making her wrist bone too prominent. This has to be avoided.

**Picture 3a and 3b:** Spot the difference! Invariably, some models commit this mistake while posing. Observe how, in picture 3a, her ear is pressed out of shape by her own hand! Care should be taken to avoid this. The same could also be due to some prop on which she could be resting her face, be it a wall or a pillow. The ear should always remain free (**pic 3b**). It may be kept covered

Pic 2







Pic 3 a



Pic 3 b



Pic 4 a



Pic 4 b





naturally by her hair, accessories, etc.

**Picture 4a and 4b:** Lighting was arranged for the pose in **picture 4a**. The cut-light was beautifully diffused due to the violet fabric, and at the same time back-lighting it. This gave a vibrant feel to the image. But in **picture 4b**, the model lowered the fabric and turned her face slightly by few degrees to her right, while sitting in the same place. This resulted in a very harsh cut-light which further spilled on the side of her nose, making it a bad picture.

**Picture 5:** The cornea (the round black, sometimes coloured centre) should ideally not be at the extreme corners of the eyes. Some sclera (the white portion) should be seen on both sides of the cornea. A large white area only on one side of the cornea looks odd, especially if the reflection of a light source like a soft box is seen on it.

#### **Position of the feet for a standing**

**model**  
**Pictures 6a to 6g:** Avoid having the feet of any fashion model pointing to the camera, the way shown in **Picture 6a**. They have to be at least slightly asymmetric as in **picture 6b**. A slight walking kind of a position makes the model look more natural in her upper torso (**pic 6c**). No matter where you ask the model to look or pose, the pressure on the legs should always









Pic 6 g

be uneven as in **picture 6d**. This gives a better dimension to the body language of a model. **Picture 6e** is a similar picture just to show you that the weight could be placed on any leg but the 'pressure free' leg always has to be slightly further away from the camera. As shown in **picture 6f**, one can always play around with the feet keeping them together similar to a few positions of the hands of a clock. **Pic 6g** the model has crossed the legs, this works very well in western outfits and ethnic wears. But please do not try this when the model is wearing a saree.

### **Catalogue Poses**

**Pictures 7a to 7h:** Do not pose any model as shown in **picture 7a** for any catalogue or e commerce purpose. The hair in front hides the pattern on her dress and will be unacceptable to any manufacturer. **Picture 7b** is one of the most popular pose in all fashion catalogues since it covers all the plus-points a manufacturer may need to sell his product. **Picture 7c to 7h** shows variations in poses for the same product. Hence while shooting



Pic 7 a



Pic 7 b



Pic 7 c



Pic 7 e



Pic 7 d



Pic 7 f





Pic 7 g



Pic 7 h



Pic 8

for a catalogue, you can use these pictures as a posing chart for giving variety to the clients and not make all the photos in the catalogue look similar.

**Picture 8:** A side-angle view can make a model look much slimmer.

**Picture 9** is a pose more acceptable in a model portfolio – it shows how a new model can pose with ease or be camera friendly.

**Pictures 10a and 10b** are more ‘concept’ oriented and would suit well while shooting fashion features.

Besides the above, there are many dos and don’ts that one must remember while directing the model – never point the knees to the camera, never point the elbow straight into the camera,



Pic 9



Pic 10 a



Pic 10 b

never have the upper arms pressed against the body (the arms will appear fatter) or worst is when in this position the models tends to face the upper arms towards the camera while wearing sleeveless outfit. Other guidelines include not to bend too much if the model has a tummy, not to wear shorts and pose if the thighs are heavy and never to tuck the chin down, if the model has a double chin etc. The subject is very deep and vast. The few tips given above would not be enough, but will certainly help you to make a good start. |**SP**

### Credit Lines:

**Models:** Vidya Tenkale, Nans Singh, Nayana Mukay, Mansi Mhatre (coordinated by Quresh Songerwala of Angelz Models)  
**Makeup/ Hair:** Anup Das  
**Pics:** Dilip Yande



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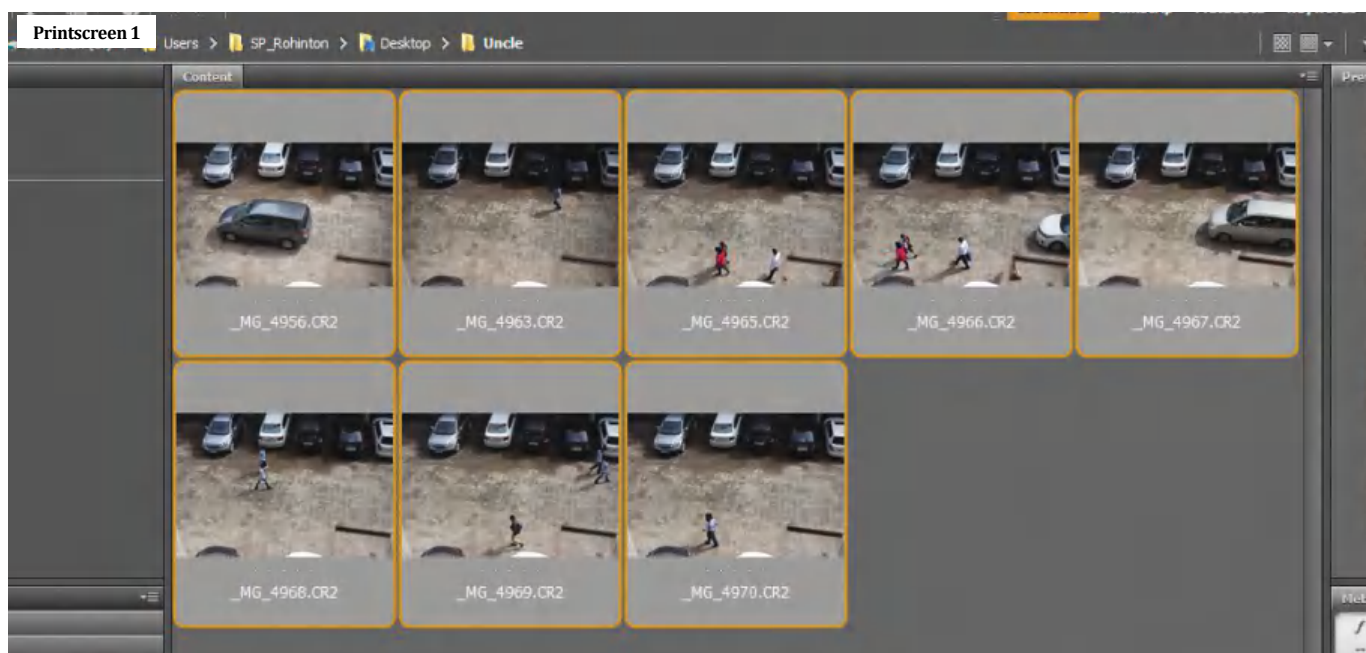


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# Getting Rid of People in a Scene

 Rohinton Mehta



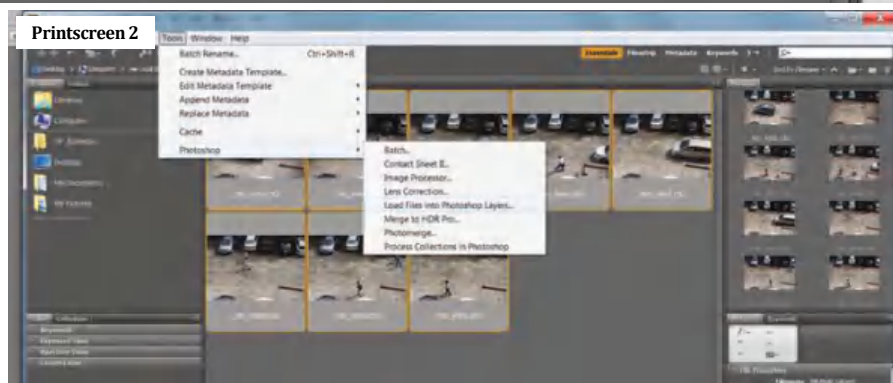
Including people in a scene can provide a sense of scale. However, there could be times when one does not want people moving around in an otherwise picturesque situation. Obviously, you cannot ask the crowd to stay away while you take the necessary shots. Here's a simple method to eliminate the people (or other moving elements) from your scene.

## You'll need:

- A firm tripod
- A camera, of course
- Photoshop

1. Using a tripod mounted camera, take *at least 5 shots of the same scene at identical exposure and composition* but ensure that the people in the scene are constantly moving. Shoot in Raw for a better final result, though using JPEG will do.

2. If you notice some people standing stationary during some of your shots,



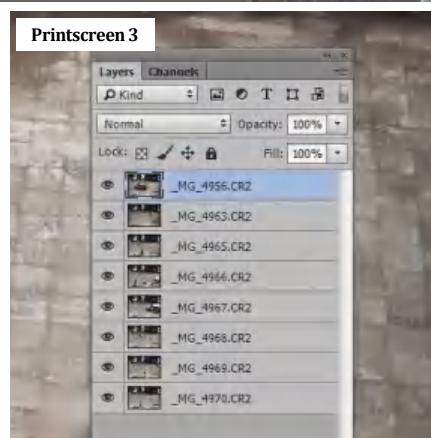
take extra shots in which they are continuously moving.

3. Load the images in your computer and open Bridge (which is a part and parcel of Photoshop). PrintScreen 1

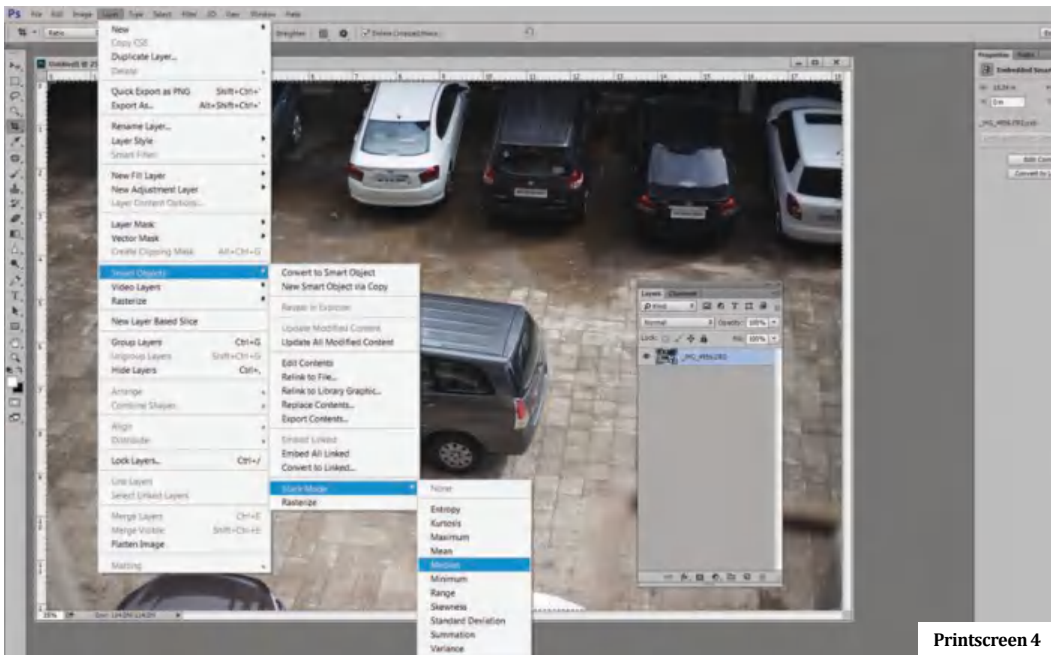
4. Go to **Tools > Photoshop > Load Files into Photoshop Layers**. PrintScreen 2 and PrintScreen 3

5. Select all layers.

6. Go to **Edit > Auto Align Layers**.







Printscreen 4

Select **AUTO** from the Auto Align Layers menu. (This step is not mandatory as we have used a firm tripod for our shots. Even then, it doesn't hurt to be extra careful).

7. Ensure that all the layers are selected. Convert them to **Smart Objects (Layer > Smart Objects > Convert to Smart Objects)**.

8. Go to **Layer > Smart Objects > Stack Mode > Median**. PrintScreen 4

Like magic, all those people who were moving (as well as anything else that was moving) during your exposures will be eliminated as you see in the final image. |**SP**



Final image



**Ashok Kandimalla**

Smart Photography has been continually receiving requests to start a basic course for beginners. With this in mind, we have asked a very knowledgeable photographer from Hyderabad to take over writing these articles. We have also requested him to be as jargon-free as it is possible, so that newcomers to photography feel comfortable to pursue the hobby.

The author, Ashok Kandimalla has been in the photographic field for over three decades and has extensive experience in both film and digital photography. Being an electronics engineer by profession and a photographer, he possesses a unique and deep insight into the technical aspects of digital photography and equipment. He has published several articles on photography and some of his writings have also been published in the well-known international magazine Popular Photography.

An avid collector of photographic books and vintage cameras, Ashok has a keen interest in the history of photography and a passion for sharing his knowledge on photography through teaching and writing. He is presently working as a Management and Engineering consultant. You can see his work at [http://www.flickr.com/photos/ashok\\_kandimalla](http://www.flickr.com/photos/ashok_kandimalla). He can be reached at [kashokk@gmail.com](mailto:kashokk@gmail.com)

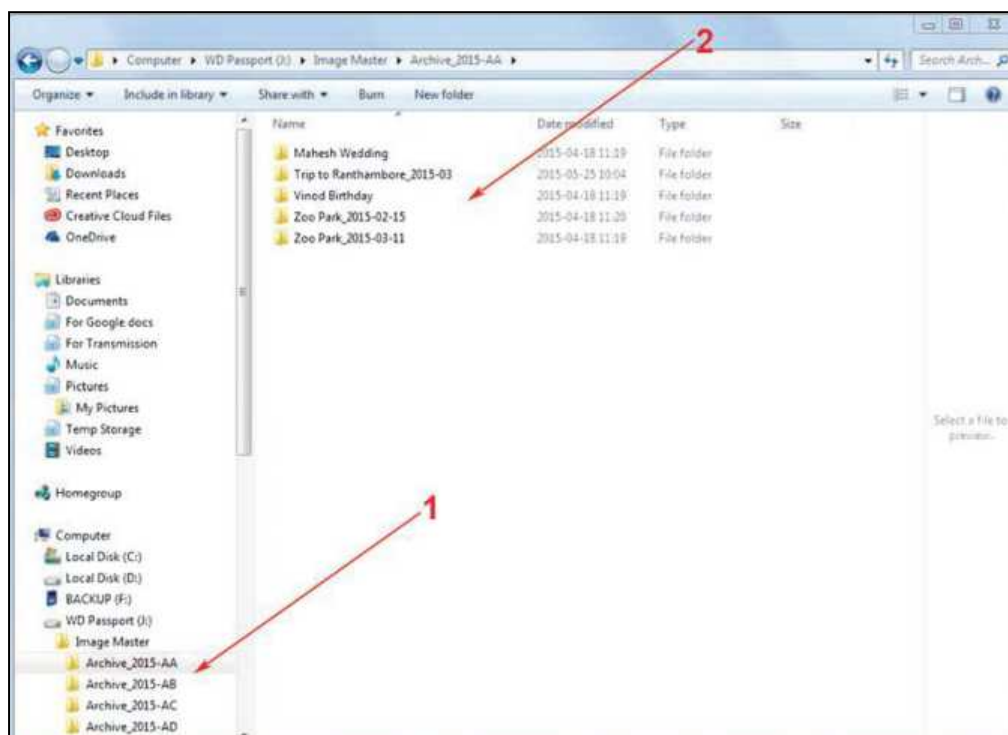
# Lightroom – Part 2

(Library module – Importing and sorting your images)

Last month's article (Part 1 of the tutorial) described to you in detail, the basic features of Lightroom. It also gave you a tutorial on how to organise your image library in a structured way. Since the latter is very important, I will give a short summary here.

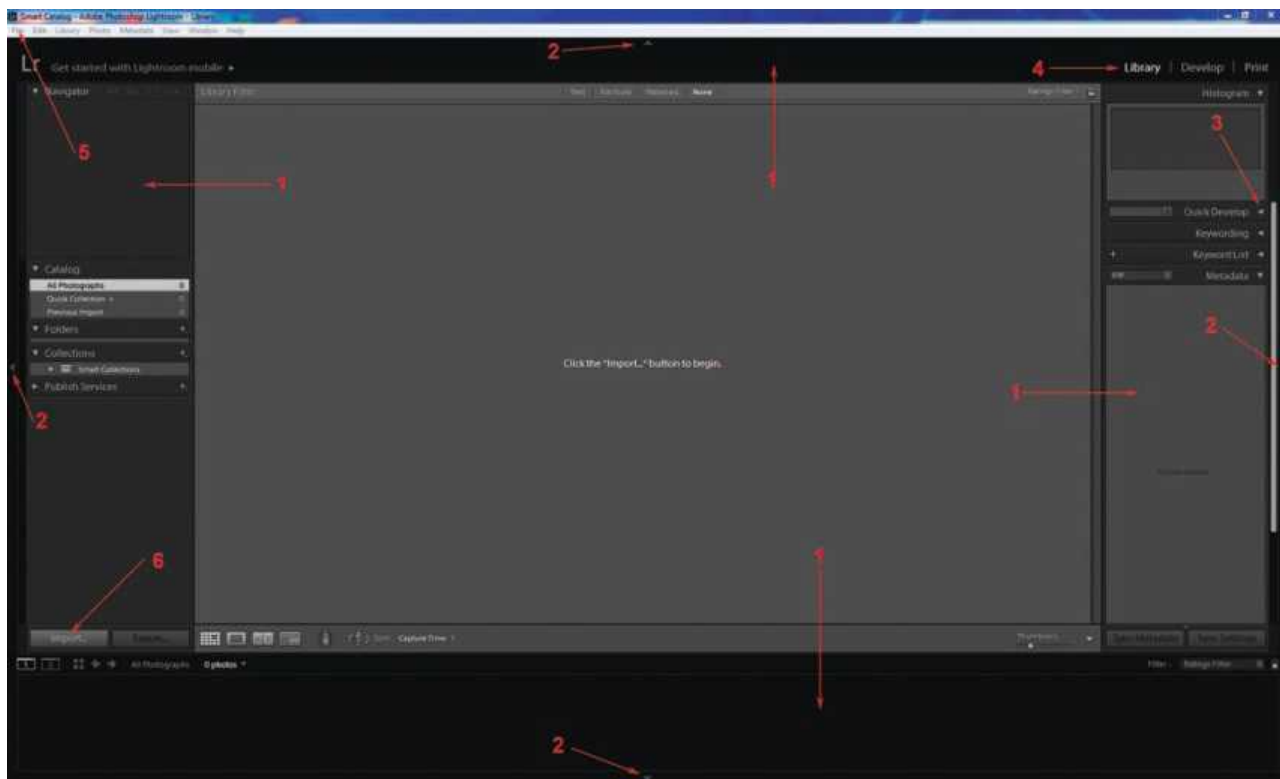
**R**ecall that you have named the internal disk and the external disk of your computer **D:** and **J:**. On disk **J:**, you have created a folder **Image Master**, which will store all your images. This is your image library. Within this folder are sub-folders, **Archive\_2015-AA**, **Archive\_2015-AB** etc. Each of these folders is limited to about 4.3 GB so that they can be backed up on a DVD. In our example, the folder **Archive\_2015-AA** has several sub-folders, with each representing a session (example- **Mahesh Wedding**, **Trip to Ranthambore\_2015-03**, **Vinod Birthday**, **Zoo Park\_2015-02-15** and **Zoo Park\_2015-03-11** etc.) Picture 2-1 shows a screen shot of the **Image Master** and its sub-folders (Picture 2-1<sup>1</sup>). Also shown are the sub-folders (Picture 2-1<sup>2</sup>) of **Archive\_2015-AA**. You are now ready to move on.

The basic screen of Lightroom has four panels as in Picture 2-2<sup>1</sup>. In the middle of all the four sides (Picture 2-2<sup>2</sup>) are little triangles (example ►).



Picture 2-1: Screen shot of **Image Master** and **Archive\_2015-AA** folders. The symbol <sup>1</sup> indicates arrow numbers.  
2-1 <sup>1</sup> Sub-folders of **Image Master**  
2-1 <sup>2</sup> Sub-folders of **Archive\_2015-AA**





Picture 2-2: The basic screen of Lightroom before importing images.

- 2-2 + 1 Panels
- 2-2 + 2 Expansion triangles for panels
- 2-2 + 3 Expansion triangles for commands (▶ or ◀)
- 2-2 + 4 Library module
- 2-2 + 5 File menu
- 2-2 + 6 Import button

When these are pointing outwards, the panels which are areas that contain command and other information are expanded. If you click on them, they will point inwards and the panel will be hidden. Lightroom also shows commands in a compressed state and a small triangle will be present (like ▶ or ◀) next to the item (Picture 2-2+3) to indicate this state. Just clicking on triangle will expand the contents fully and triangle will change to ▼.

As you had read in the last month's article, you cannot edit images in Lightroom unless you import them into the Lightroom Catalog. So, the first step is to create a catalog and then give it a name. This catalog **must** be on your internal disk for speed though your image library can be on an external disk. Here are the steps for this very important stage.

At the top right side you have a list of the modules of light room. Click on **Library** (Picture 2-2+4) as this is where you are going to start.

Let us call our catalog **Smart Catalog** (after your favourite magazine) but you can give it any meaningful name. Please make sure that whatever name

you give is well thought out (and free of spelling errors) as it is very difficult to change it later.

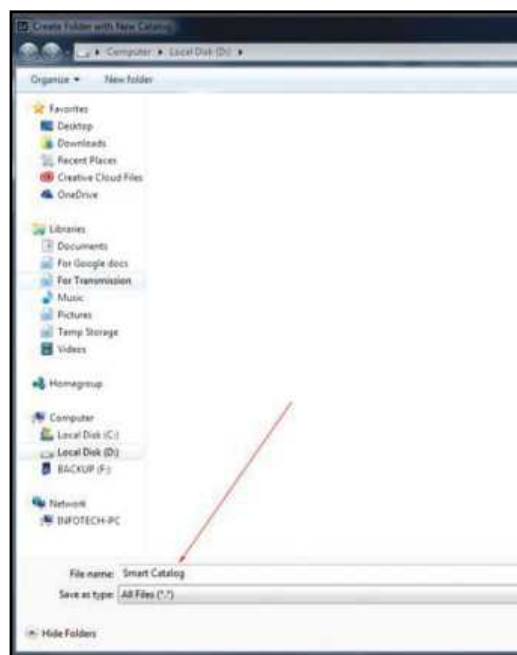
The commands to create a catalog (Picture 2-2+5) are:

**File > New Catalog**

This will open a dialog box on your screen (Picture 2-3). In the field **File Name** enter **Smart Catalog** and click on **Save**.

Now if you see the directory of **D:** you will find that a folder called **Smart Catalog** has been created. If you look in this folder, you will find several sub-folders and files. Don't worry about them. However, they are vitally important as they are the ones that keep all the information regarding edits, key words and what not! In fact, they contain all the data of Lightroom except for the images themselves, which are on the external disk. Never try to open or edit any of the files that are in the **Smart Catalog** folder.

Now you have created the Lightroom Catalog! This is a very important step. Next you



Picture 2-3: The dialog box for creating the Catalog named here as **Smart Catalog** (red arrow).

should get your images “imported” into this catalog.

For this tutorial, you can import images from folder “**Trip to Ranthambore\_2015-05**” and add them to **Smart Catalog**. Follow the steps given below:

First Click on Import (Picture 2-2<sup>1</sup>6). Now on the left panel (Picture 2-4<sup>1</sup>1), choose the folder from where you want to import the images into the catalog by expanding the folder list by clicking on ► which is to the left **J**:). In our case, the path is **J:\ Image Master\ Archive\_2015-AA \Trip to Ranthambore\_2015-05**

You can see this entire path clearly (Picture 2-4<sup>1</sup>1). Once the folder is chosen, **all** the importable images in the folder are shown as thumbnails (Picture 2-4). At this stage you can choose to import all the images or only some of the images. For the former, simply click on **Check All** (Picture 2-4<sup>2</sup>2).

For the latter select **Uncheck All** (Picture 2-4<sup>2</sup>2) and then proceed to select the images you want by clicking on each image (while holding the Control key). An alternate method is to click on **Check All** and then deselect images that you don’t want to import, by clicking on each image

(while holding the Control key). In this tutorial, I am going to import all the images.

Next, there are two important check boxes that you need to check (Picture 2-4<sup>3</sup>3).

- **Build Smart Previews**
- **Don’t import Suspected Duplicates**

The second one will obviously prevent you from importing duplicates. The first one is a rather special (see box Smart Previews)!

Since you have kept the files in proper locations you don’t need to move or copy them to a new location. So click on **Add** (Picture 2-4<sup>4</sup>4) and finally on **Import**

**Smart Previews – A really smart feature!**

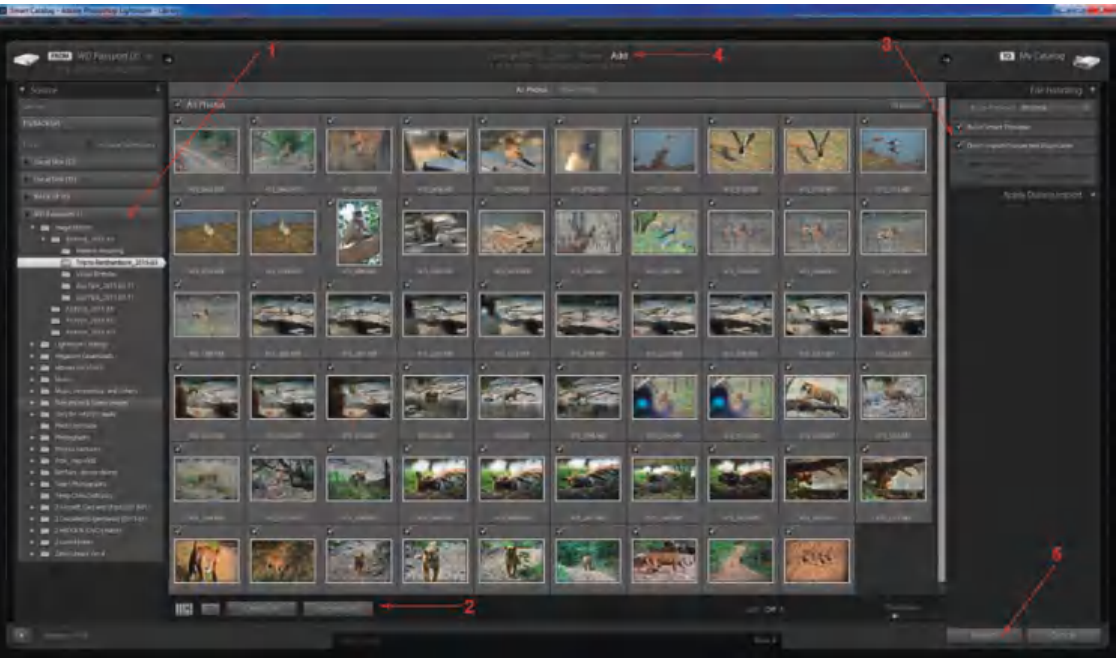
As someone who has used computers you must have observed that to edit a file, (any file, even a spread sheet) it must be present in your system. The file can be on your internal disk or an external disk or somewhere else but it must be available on-line at the time of editing. Now, believe it or not, this is not needed in the case of Lightroom. The image file can be on your external disk but that disk need not be connected to your computer at all, when editing is in progress! This is achieved through what is called **Smart Previews**. Lightroom creates a smaller file (around one MB for each image) with all the characteristics of the image file and you can get away with using this Smart Preview file with a couple of exceptions.

First, the sharpening command will not reflect the true state and second is that you cannot export the image file (like create a JPEG) as the image with full pixel count is not available. Barring these two, the original image file is **not** required.

You can create Smart Previews while importing images into your Lightroom Catalog (as explained) or can do that later too. In the latter case select all the images and then go to Library menu (Picture 2-5<sup>1</sup>4)

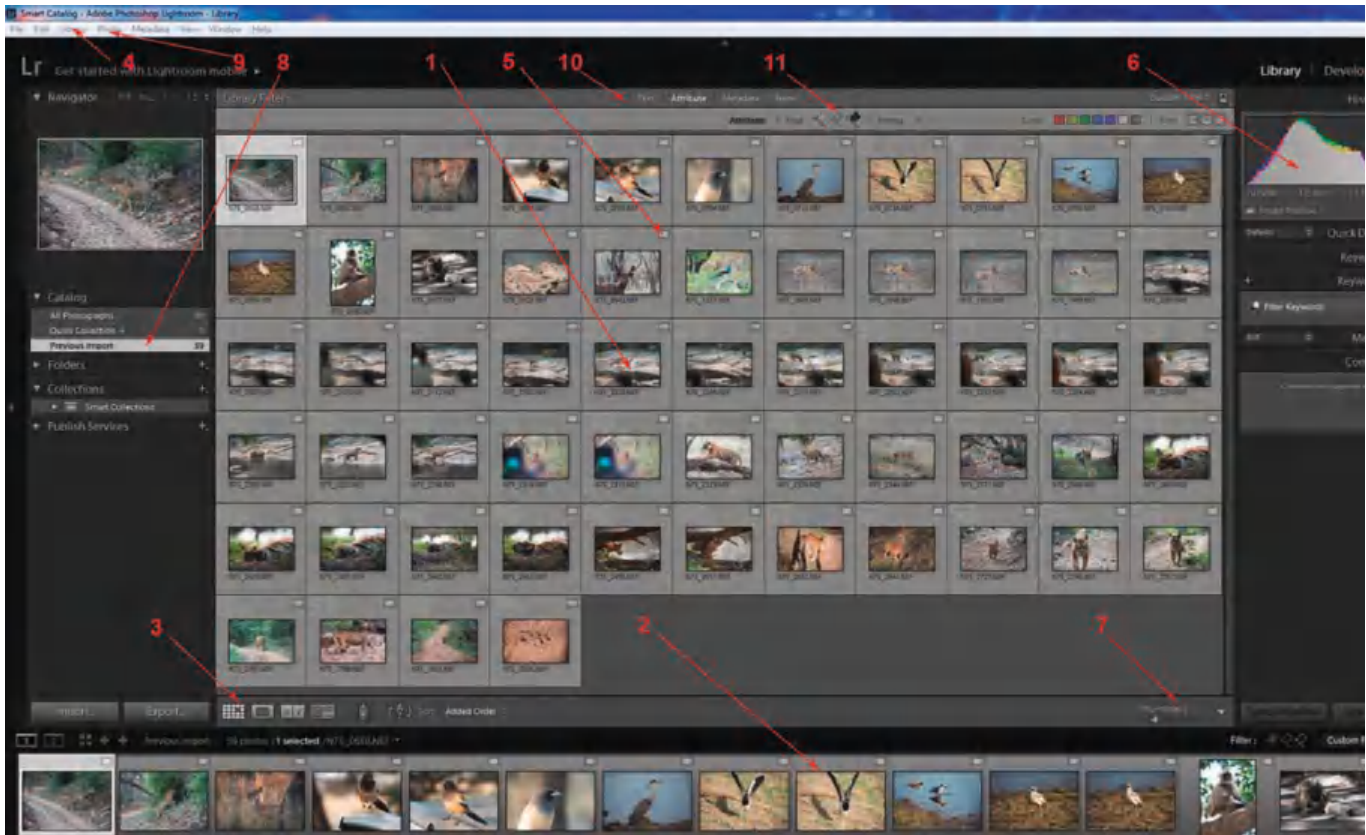
**Library > Previews > Build Smart Previews**

You need to build a Smart Preview file only once for an image. Once you have created a Smart Preview for an image, a white rectangle will appear on the right corner of the image thumbnail (Picture 2-5<sup>1</sup>5). Finally, let me reiterate that the process of building Smart Preview files takes time. So, be patient!



Picture 2-4: Screen shot showing thumbnails after you select the folder to import the images.  
2-4<sup>1</sup> 1 Folders  
2-4<sup>2</sup> 2 Check All or Uncheck All  
2-4<sup>3</sup> 3 Check boxes for Smart Previews and blocking of duplicates  
2-4<sup>4</sup> 4 Add button  
2-4<sup>5</sup> 5 Import Button





(Picture 2-4<sup>15</sup>) to start importing the images into your catalog. **Note that the import process will take time especially since you are building Smart Previews.**

After the import process is over, the screen will look as in Picture 2-5. Let us quickly look at the panels present after the import of images into the catalog. The right panel has several commands and functions available. At this stage I must mention that post-processing is called **development** in the Lightroom jargon. This is the nomenclature that will be used hereafter. There is a **Quick Develop** facility (accessible from the right panel) within the Library module itself but I don't recommend using it since there is a much more sophisticated **Develop** module available. You will see this in great detail in due course. However, a lot of useful information like metadata, key words etc. is present in the right panel. At the top are the filters using which you can display only the images you want based on metadata and various other attributes. You can play around and see how they operate.

The middle area where the images and thumbnails will appear is called the **Preview** area (Picture 2-5<sup>1</sup>). The bottom panel is set aside permanently for the **Filmstrip** (Picture 2-5<sup>2</sup>), where thumbnails are shown. Film aficionados will immediately recognize its similarity to contact prints or to a strip of transparencies placed on a light table. You can scroll left or right by clicking on ► and ◀ situated at either end.

Just above the Filmstrip are the icons to invoke various view modes (Picture 2-5<sup>3</sup>). From left to right these are Grid view (this is the one shown in Picture 2-5), Loupe View (the selected image occupies the full Preview area), Comparison (the two selected images are shown side by side) and finally the Survey View. The last one is very useful for choosing images.

**Selecting an image or set of images:** After you have imported images into Lightroom, you need to select an image to perform any operation on it. To select an image, simply identify the thumbnail of the image you want to select in the preview area

Picture 2-5: This is how the Lightroom screen will look after importing images into the Lightroom Catalog.

- 2-5<sup>1</sup> Preview area
- 2-5<sup>2</sup> Filmstrip
- 2-5<sup>3</sup> View icons Grid, Loupe, Compare and Survey
- 2-5<sup>4</sup> Library Menu
- 2-5<sup>5</sup> Smart Preview badge
- 2-5<sup>6</sup> Histogram and below important exposure data and Metadata
- 2-5<sup>7</sup> Thumbnails slider
- 2-5<sup>8</sup> Previous Import
- 2-5<sup>9</sup> Photo menu
- 2-5<sup>10</sup> Filter bar
- 2-5<sup>11</sup> Flags filter

and click on it. If you want to select multiple images, keep clicking on the thumbnails of the images you want to select while holding the Control key down. If the set of images you want to select are consecutively displayed, then you can click on the first image and then on the last image while holding the Shift key down. This will select the entire block of images.

When an image is selected, you can see the corresponding histogram (Picture 2-5<sup>6</sup>) and below it the exposure data and further down the metadata. You can change the size of the thumbnails appearing in the Preview area by moving the **Thumbnails** slider (picture 2-5<sup>7</sup>).

**Deleting unwanted images:** Once you have imported the images into your catalog you might want to remove those images that are not up to the mark. Lightroom gives various ways of doing this but I will describe the simplest of all methods.

First click on Previous Import (Picture 2-5<sup>18</sup>). This will result in only the images imported last. Now, click on the left most image of the Filmstrip and then select Loupe view (Picture 2-5<sup>13</sup>). You will now see the selected image occupying the full Preview area. Do you want to keep it or delete it? If you want to keep it, do nothing. If want to delete it just press the “x” key on the keyboard. This will set the image as a **Reject** by attaching a Reject flag. If you marked an image as Reject by mistake simply press “u” to remove the flag.

Next press the right arrow key on the keyboard to move to the next image and repeat the process. You can quickly go through hundreds of images this way. Once you are through checking the images, you are ready to delete all the images that are marked with the Reject flag. This can be done very easily through Photo Menu (Picture 2-5<sup>9</sup>):

#### **Photo > Delete Rejected Photos**

This will give you three options –

#### **Cancel, Remove and Delete from Disk.**

The first will abort the command and the second will remove the images from the catalog, but will keep them on your disk. The last option will remove them from your catalog, delete them from your disk and send them to the recycle bin. You can choose what you want but I recommend the latter because if the image is useless then why keep it and waste disk space?

#### **Selecting images for development:**

Now that that you have deleted all the useless images, what is the next step? Do you want to develop all the remaining images or only a few. If it is the latter, you can perhaps go through the images once again and select a few for development. Exactly for this purpose, Lightroom has what is called the Survey view which makes this selection process a breeze. First select a batch of images (say around 10) and then invoke the Survey view (by clicking on the 4th icon from left, Picture 2-5<sup>13</sup>). Now these 10 images will appear on the screen. If you hover the cursor on any image, an X mark will appear at the bottom right of the image. (Don’t confuse this with reject flag explained previously – this is far more benign)! If you click on this the image will disappear. It only just disappears, nothing else will happen to it. It is still in your catalog – so, don’t panic. The extra space now available

is used to redistribute the images with bigger size. If you find an image is worth developing then keep the cursor on the image and press “p”. This will set the image as a **Pick** by attaching a Pick flag. It simply means that you have marked it for future use. If you marked an image as a Pick by mistake simply press “u” to remove the flag.

Deselect the previously selected images now and select another set of 10 images and continue the process till you have marked all the images that you want to develop with Pick flag. If you want to see only these picked images, you need go to the filter bar on the top first (Picture 2-5<sup>10</sup>). In case you don’t see this bar, simply press “\” (backslash) on the keyboard and it will appear. Now see the three flags (Picture 2-5<sup>11</sup>). These three represent (from left) - **Picked Images, Un-flagged Images and Rejected Images**. If you click on the first one, only those images that have been picked (meaning that you want to develop) will be shown in the Preview area.

You now have a set of images that you have picked for developing. Whenever you want to start developing, use the filter bar and click on the **Picked Images Flag**. This will show only the images that have been picked. You can select the image you want and develop it. |**SP**



**In this second part of the Lightroom Tutorial, you have seen how Lightroom and its commands are organised. Also, a step by step approach on how to import your image library into Lightroom Catalog was explained to you. Other topics covered were – creation and use of Smart Previews,**

**deleting unwanted images and selecting images for developing. I suggest that you use this article as a guide and practice the creation of your own library and a catalog. You can then import this library into the catalog. This is the first step for using Lightroom.**

**Next month:** *Creating collections, keywords, finding images in your catalog, stacking images, short cuts, tips and more!*



## Compact Review

Sony Cyber-shot  
DSC RX100 IV



## Lens Review

Canon EF 50mm f/1.8 STM

## Lens Review

Olympus M.Zuiko DIGITAL  
7-14mm 1:2.8 PRO



## Printer Review

Canon Pixma E560

# Reviews

### Change in Rating System

*Smart Photography's* new rating system exercises stricter evaluation in view of improvements in the overall performance of photographic equipment. Marks will be awarded for the following parameters...

### Final Rankings

Recommended .....75-80%  
Best Buy .....81% and above

### D-SLR CAMERAS

Design & Build Quality.....	(out of 20)
Key Features.....	(out of 20)
Ergonomics.....	(out of 20)
Performance	
Autofocus.....	(out of 5)
Metering.....	(out of 5)
Noise control.....	(out of 5)
Distortion/Sharpness.....	(out of 5)
LCD/Viewfinder.....	(out of 5)
Auto White Balance.....	(out of 5)
Value for Money.....	(out of 10)
Grand Total.....	(out of 100)

### LENSES

Design & Build Quality.....	(out of 20)
Key Features.....	(out of 20)
Ergonomics.....	(out of 20)
Performance	
Autofocus.....	(out of 5)
Sharpness.....	(out of 5)
Distortion control.....	(out of 5)
Aberrations.....	(out of 5)
Darkening of corners.....	(out of 5)
Extra Features.....	(out of 5)
Value for Money.....	(out of 10)
Grand Total.....	(out of 100)

### COMPACT CAMERAS

Design & Build Quality.....	(out of 20)
Key Features.....	(out of 20)
Ergonomics.....	(out of 20)
Performance	
Autofocus.....	(out of 5)
Metering.....	(out of 5)
Noise control.....	(out of 5)
Distortion/Sharpness.....	(out of 5)
LCD/Viewfinder.....	(out of 5)
Auto White Balance.....	(out of 5)
Value for Money.....	(out of 10)
Grand Total.....	(out of 100)



### Inside the Box

- ✓ Camera
- ✓ Rechargeable Battery Pack NP-BX1
- ✓ AC Adaptor AC-UB10C/UB10D
- ✓ Micro USB cable
- ✓ Wrist Strap, strap adapter
- ✓ Instruction Manual

The RX100 IV features similar specifications as the RX100 III, but with enhanced features in video capture along with Wi-Fi and NFC. A new sensor unit promises to provide high-speed imaging and faster focussing.

### Design and Build Quality

The RX100 IV looks and feels almost identical to the RX100 III. The outer shell has a robust build with a combination of metal and engineering plastic. The tiny built-in pop-up viewfinder and flash fit snugly into their assigned slots. The flash springs forward when the flash release lever is pulled and stops with a thud. Though we favour a slow, carefully damped release of flash, we doubt whether Sony could have accommodated additional gears and springs in this little compartment. However, there is an inherent flaw that is consistently observed in these accessories propped on simple hinges — exposed cables or circuit strips. And in the case of the RX100 IV, the metal hinge appeared to press against these strips when the flash is lowered into the slot. A similar exposed strip is found in all tilt-only LCD screens and the RX100 IV is no exception here too. The lens has a two-barrel construction. The camera has a metal tripod receptacle.

### Key Features

The 20.1 megapixel Sony RX100 IV uses a 1.0-inch Type (13.2x 8.8mm) Exmor RS stacked CMOS sensor. The sensor

Sony Cyber-shot  
DSC RX100 IV

₹ 69,990

by Sujith Gopinath

# Capable but Pricey

Sony's RX-series is regarded as top performers in compact cameras. The RX100 and subsequent upgrades consist of compacts with a low zoom range, but with better features compared to competitors. Now Sony has brought out the RX100 IV with enhanced video capabilities.

unit is coupled with a DRAM chip for high-speed signal processing. The camera uses a BIONZ X image processor. The RX100 IV incorporates a 24-70mm equivalent ZEISS Vario-Sonnar T\* lens that provides an aperture range of f/1.8-11 at the wide-angle end and f/2.8-11 at the telephoto end. The lens is constructed with 10 elements in 9 groups including an Advanced Aspherical (AA) element that eliminates spherical aberration and improve sharpness. The camera uses an optical SteadyShot type image stabilisation for still images and combines it with electronic compensation in the case of movies,

along with rolling shutter compensation.

The camera features a vari-angle 3.0 inch, 1,228,800-dot Xtra Fine TFT LCD, which can be tilted up by about 180 degree and down by about 45 degree. In addition to the LCD, the RX100 IV has a 0.39-inch OLED electronic viewfinder with 2,359,296 dots.

Focus modes available are Direct Manual, Manual, Single-shot AF (AF-S) and Continuous AF (AF-C). The additional Direct Manual mode allows you to use manual focus to fine-tune focus after autofocus has done its job. Focus area





Aperture: f/4.5  
Shutter Speed: 1/8000sec  
ISO: 400

options are Wide, Centre, Flexible Spot (S/M/L), and Expanded Flexible Spot. With Lock-On AF feature enabled, the camera locks focus on the desired subject and keeps it in focus even if you take your finger off the shutter release button and move the camera. This feature keeps the subject in focus even if it goes out of frame momentarily. The camera features the usual metering modes — Multi Pattern, Centre-Weighted, and Spot. Exposure can be compensated up to +/- 3.0EV in 1/3EV steps.

ISO Sensitivity can be set from 125 to 12800 (Extendable to ISO80/100) with an additional Auto option. White Balance can be set to Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm White, Cool White, Day White, Daylight), Flash, Custom Temperature, Filter, and Custom. Shutter Speed ranges from 30 to 1/2000sec. Self-timer can be set to 10, 5, or 2sec delay for 3 or 5 consecutive shots. The built-in flash has a range of approx. 0.4m to 10.2m at the wide-angle end and approx. 0.4m to

6.5m at the telephoto end with ISO set to Auto. Flash modes available are Auto, Flash On, Slow Synchro, Rear Sync, and Flash Off. Sony has designed the flash in such a way that it can be pulled back with one finger to enable up to 90 degree bounce angle. The RX100 IV features Face Detection (up to 8 faces can be detected) along with Selected Face Memory.

Shooting modes available are Superior Auto, Intelligent Auto, Shutter Priority, Aperture Priority, Movie, Manual, Scene Selection, Panorama, High Frame Rate (HFR), and Scene Selection. Scene selection modes include High Sensitivity,

Night Scene, Night Portrait, Portrait, Landscape, Fireworks, Gourmet, Pet, Handheld Twilight, Anti Motion Blur, Sports Action, Macro, and Sunset. The camera allows you to apply filters (Picture Effects) such as HDR Painting, Rich-tone Monochrome, Miniature, Toy Camera, Pop Colour, Partial Colour, Soft High-key, Water Colour, Posterisation, Retro Photo, Soft Focus, High Contrast, Monochrome, and Illustration.

Still images are recorded in Raw or JPEG format with an option to capture both simultaneously. JPEG further provides compression options of Extra Fine, Fine, and Standard. The maximum

**To use advanced features of the RX100 IV, such as 4K recording and High Frame Rate capture, you need to use an SDXC Class 10 UHS-I (U3) type card**

pixel resolution possible is 5472 x 3648 pixels. In burst mode, you can shoot up to 16 frames at a speed of 5.5 frames per second. Movies are recorded in AVCHD, MP4, or XAVC S format with maximum of 4K (3840 x 2160 pixels) resolution. 4K videos can be recorded for a maximum of 5 minutes. The RX100 IV uses a Memory Stick Duo or SD card (not included) for storage, but to use advanced features such as 4K recording and High Frame Rate capture, you need to use an SDXC Class 10 UHS-I (U3) type card.

The camera has a built-in stereo microphone featuring wind noise reduction along with Hi-Speed USB, and Mini HDMI ports. The device also features WiFi and NFC. The camera is powered by a 1240mAh Li-ion battery pack (supplied), which can be charged

using USB cable and adapter (supplied). The RX100 IV measures 101.6 x 58.1 x 41.0mm (W x H x D) and weighs 298g with battery and Memory Stick.

### Ergonomics

The RX100 IV has a small body, identical in dimensions to its predecessor. The camera is easy to use and has an intuitive interface. People with large hands could find the small buttons difficult to operate, but can we really complain about this small compromise? The tiny EVF is difficult to use, but it would help in low-light situations to eliminate camera shake. Propping up the viewfinder will switch on the camera. Images appeared crisp both in the viewfinder and the LCD. Information display was legible. The camera lacks a proper grip, and the body is slippery. Hence we would advice users to attach and use the wrist strap without fail.

### Performance

The improvements of the RX100 IV over the RX100 III are mainly related to 4K video recording and high-speed image capture. But to enjoy these advantages, you need to use an SDXC Class 10 UHS-I standard memory card. Unfortunately, we did not have this type of card in our stock and hence we could not test these advanced features.

Autofocus was fast and precise and could lock on to the subject even under low light. Out-of-the-box JPEG images were sharp, except at f/11 and this remained consistent throughout the zoom range. Darkening of corners was controlled very well. We did not observe darkening even at f/1.8 at the wide-angle end. The lens eliminated Flare and Ghosting, but we observed a tinge of purple fringing in strong against-

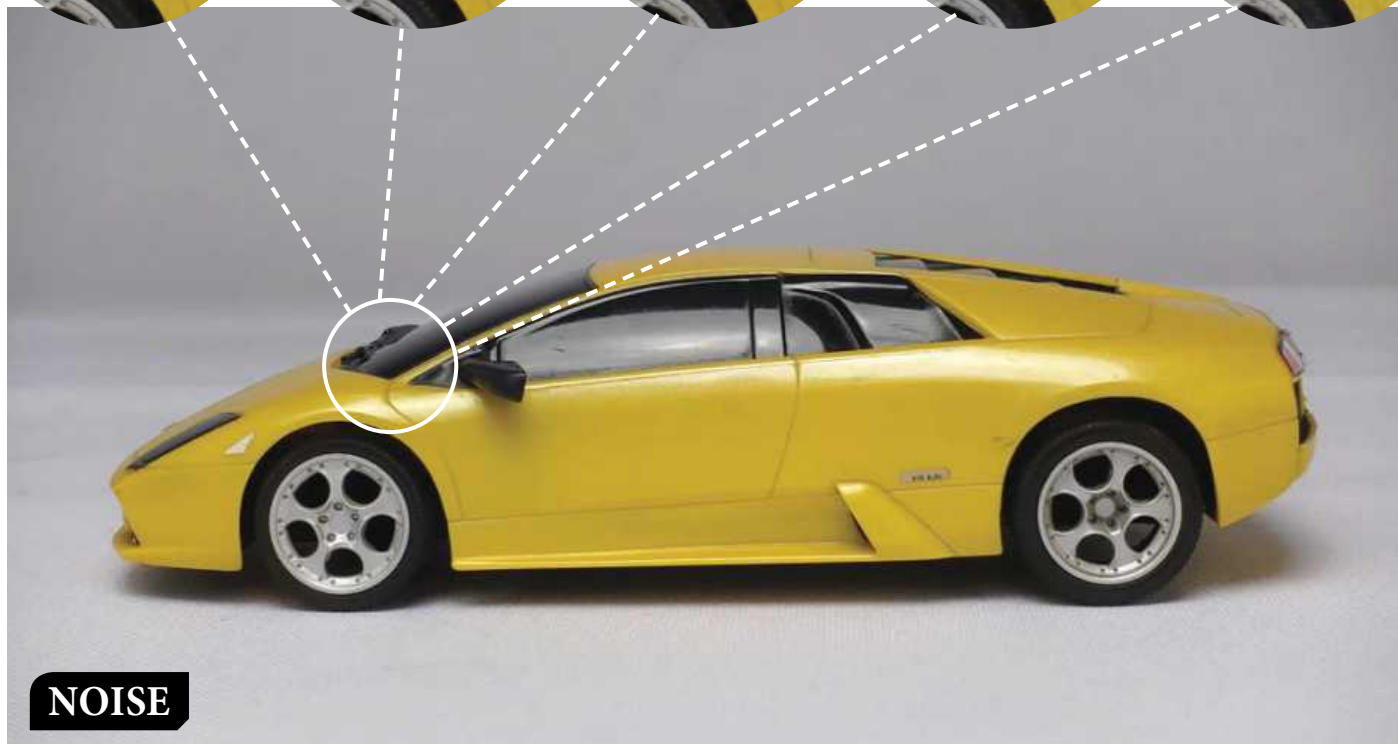
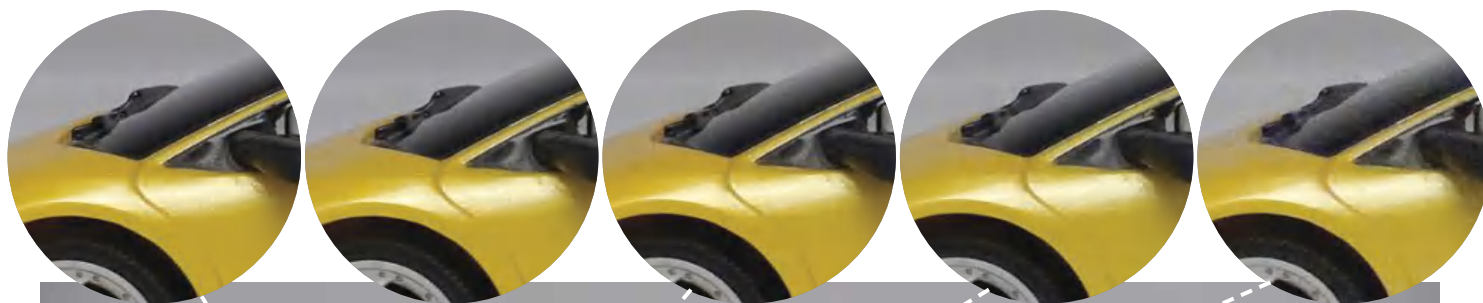
ISO 800

ISO 1600

ISO 3200

ISO 6400

ISO 12800



**NOISE**





## Value for Money

The Sony RX100 IV retails at an MRP of Rs.69,990. We would consider this quite high for a compact camera with a 24-70mm lens. **|SP**

## FINAL SCORE



80%

### Design and Build Quality 14/15



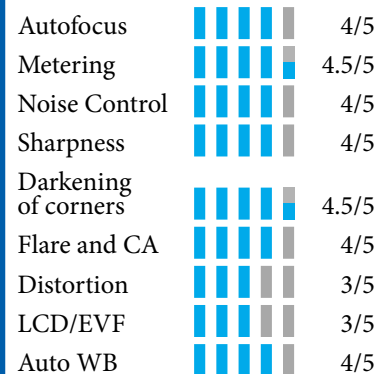
### Key Features 14/15



### Ergonomics 12/15



### Performance



**Sub-Total** 35/45

**Value for Money** 5/10



## PLUS

- 4K Video recording
- Super slow motion movies
- WiFi and NFC
- Advanced Steady Shot

## MINUS

- Only 5 min of 4K Video capture
- Slippery interface
- Pricey

## VERDICT

The Sony RX100 IV carries quite a number of improvements in terms of video capture and high-speed photography. Overall, we were impressed with the camera, but the price could act as a dampener.

## KEY SPECIFICATIONS

<b>Sensor Type:</b> Exmor RS CMOS
<b>Size:</b> 1.0-type (13.2mm x 8.8mm)
<b>Effective Pixels:</b> Approx. 20.1 mega pixels
<b>Imaging Processor:</b> BIONZ X
<b>Lens Type:</b> 24-70mm equivalent ZEISS Vario-Sonnar T* Lens,
<b>Lens construction:</b> 10 elements in 9 groups (9 aspheric elements including AA lens)
<b>F Number:</b> f/1.8 to 2.8
<b>LCD:</b> 3.0 inch, 1,228,800-dot Xtra Fine TFT
<b>Viewfinder type:</b> 0.39-inch type electronic viewfinder (OLED) with 2,359,296 dots
<b>Image Stabilizer System:</b> Still Image: Optical SteadyShot; Movie: Intelligent Active Mode, Optical type with electronic compensation, Anti Rolling type
<b>Focus Mode:</b> Direct Manual, Manual, Single-shot AF (AF-S), Continuous AF (AF-C)
<b>Metering:</b> Multi Pattern, Centre-Weighted, Spot
<b>Exposure Comp.:</b> +/- 3.0EV in 1/3EV steps
<b>ISO Sensitivity:</b> Auto, 125 to 12800 (Extendable to ISO80/100)
<b>White Balance:</b> Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent (4 types), Flash, Custom
<b>High Frame Rate:</b> Available
<b>Max. recorded pixels:</b> 5,472x3,648
<b>Best Video recording:</b> XAVC S 4K - 25p 100M(3,840x2,160/25p)
<b>Burst Speed (Maximum):</b> Approx. 16 fps
<b>Power Source:</b> 1240mAh Li ion battery pack
<b>Dimensions (W x H x D):</b>
<b>Weight (with Battery &amp; Memory Stick):</b> Approx. 298g



The LCD has an exposed connecting cable, which is the case with most tilting screens.

the-light shots. All metering modes performed well as expected. Surprisingly, we observed barrel distortion from around 55mm up to the telephoto end, while there was no distortion at the wide-angle end. Images in the LCD and viewfinder appeared crisp, though it was cumbersome to use the small EVF.

The camera reproduced colours true to the original, especially under natural light. Slight cast produced under artificial light sources were easy to remove in post-processing. Native print size was 12.16 x 18.24 inches at 300 ppi. At 25 percent of the screen size, images were noise-free up to ISO 1600, while slight noise was observed at ISO 3200 and 6400. ISO 12800 was not usable. Viewed at 50 percent, noise started to appear from ISO 800 onwards. Images were still usable up to ISO 6400. At 100 percent enlargement, noise appeared from ISO 400 and the images remained usable up to ISO 1600. We would consider this good noise control for a compact camera.

The camera paired easily with a smartphone through NFC via the Sony PlayMemories app, and we were quite satisfied with the remote shooting capability.

## Inside the Box

- ✓ Lens
- ✓ Front cap
- ✓ Back cap
- ✓ Lens literature

The Canon EF 50mm f/1.8 STM lens is an upgrade to the 50mm f/1.8 II, which has been in existence for close to 15 years. The new stepper motor is believed to provide fast and silent autofocus while full-time manual focus feature is certainly going to make life easy for the sticklers in critical focus.

### Design and Build Quality

The Canon 50mm STM lens is built with a polycarbonate exterior. It has a metal mount unlike its predecessors, which had plastic mounts. The lens has a two-barrel construction. Apart from the autofocus switch, there are no controls on the lens. The focus ring is at the front of the outer barrel and is grooved for comfortable operation.

The filter size is 49mm. The lens has dimensions of 69.2 x 39.3mm (Max. Diameter x Length) and weighs 159g.

### Key Features

The EF 50mm f/1.8 STM lens incorporates a Stepper Motor (STM) to enable fast and silent autofocus. The lens is compatible with all EOS camera formats (EOS M with the help of an adapter). It is constructed with 6 elements in 5 groups. The lens has special coatings to reduce flare and ghosting. It has a 7-blade circular aperture that produces circular bokeh in shallow depth-of-field images. The aperture ranges from f/1.8 to f/22. The lens also allows for full-time manual focus even in autofocus mode.

### Ergonomics

The 50mm STM lens is compact and lightweight. The lens allows full-time manual focus, which is a pleasure to use. There is no Depth-of-Field scale or focal length window on the lens. The front element does not rotate, but it protrudes while focussing. The focus ring is quite comfortable to operate.



Canon EF 50mm  
f/1.8 STM

₹ 8,995

□ Sujith Gopinath

# Stepping up!

A fast normal lens is what every advanced photographer would like to have in his kit. Being close in magnification to the human vision, these lenses offer a perspective as close to the human eye as possible. These are versatile and can be used for most imaging needs that do not require extreme angles of view.

### Performance

We tested the 50mm STM lens on a Canon EOS 6D body. The lens does not have internal focussing and hence the front element protrudes while focussing. Autofocus was fast, though not as fast as some of the best lenses we have reviewed. The system did not have any problem locking on to the subjects, even under reasonably low light. The AF

operation was near-silent, though audible to the photographer in a quiet room. We observed prominent darkening of corners at the widest aperture, vanishing at around f/4. Flare and ghosting were evident in strong against-the-light shots with the lens wide open. The lens also produced prominent purple fringing.

Overall sharpness was impressive. The





Mahesh Reddy

Aperture: f/8  
Shutter Speed: 1/80sec  
ISO: 1600

## KEY SPECIFICATIONS

<b>Focal length:</b> 50mm
<b>Max. Aperture:</b> f/1.8
<b>Lens Construction:</b> 6 elements in 5 groups
<b>Diagonal Angle of View:</b> 46°
<b>Focus Adjustment:</b> AF with full-time manual
<b>Closest Focusing Distance:</b> 0.35m
<b>Filter Size:</b> 49mm
<b>Max. Diameter x Length:</b> 69.2 x 39.3mm
<b>Weight:</b> 159g

## FINAL SCORE



81%

### Design and Build Quality 17/20



### Key Features 17/20



### Ergonomics 18/20



### Performance

Autofocus 4/5

Sharpness 4/5

Distortion control 3/5

Aberrations 3/5

Darkening of corners 3/5

Extra features 3/5

**Sub-Total 20/30**

**Value for Money 9/10**



## PLUS

- Good value for money
- Compact dimensions
- Near-silent operation
- Sharp images

## MINUS

- No internal focussing
- No special elements used
- Coatings are not the best

## VERDICT

The Canon EF 50mm f/1.8 STM is a normal lens offering full-time manual focus and near-silent operation. At an affordable price, this lens is certainly a good buy.

sweet spot was found to be f/4 and the lens produced reasonably good sharpness from f/2.8 to 16. It produced slight barrel distortion.

## Value for Money

The 50mm f/1.8 STM lens retails at an MRP of Rs.8995. This is good value for money for this lens. **ISP**

### Inside the Box

- ✓ Lens
- ✓ Front lens cap LC-79
- ✓ Rear lens cap LR-2
- ✓ Lens pouch LSC - 0914
- ✓ Instruction manual
- ✓ Warranty card

**T**he M.Zuiko DIGITAL 7-14mm f/2.8 PRO is the latest offering from Olympus for the Micro Four Thirds System. It is the perfect lens for ultra-wide landscapes, interiors and night photography.

### Design & Build Quality

The M.Zuiko DIGITAL 7-14mm f/2.8 PRO is very well built, like any 'Pro' lens should be. The outer body is all-metal construction and so is the lens mount, which has eleven gold-plated electrical contacts for communication between the lens and the body. The lens is hermetically sealed at 11 locations to prevent dust and water spray causing damage to the internals. Additionally, by design, the lens is freeze-proof too. The lens being a Micro Four Thirds design, can be attached to any MFT body from any manufacturer. The lens weighs 534g.

### Key Features

The lens is constructed with 14 elements in 11 groups that include 3 Super Extra-low Dispersion elements (Super ED), 1 Extra-low Dispersion element (ED), 2 Extra-low Dispersion Aspheric elements (EDA), 1 Aspherical element and 2 High Refractive index elements (HR). These special elements help in eliminating/reducing the various aberrations usually found in lenses. Additionally, Olympus applies ZERO (Zuiko Extra-low Reflection Optical) Coat, which they claim, thoroughly eliminates flare and ghosting, even under backlit situations (Olympus does not state which element or the number of elements to which the ZERO Coat is applied). Olympus also claims that the 7-14mm f/2.8 PRO is the perfect lens to use with the OM-D EM-5 Mark II that provides 40 megapixel resolution when used in the High-Resolution mode.

The 7-14mm is not a macro lens; yet it is able to focus as close as 7.5cm (< 3") from the front of the lens when used at



Olympus M.Zuiko  
DIGITAL 7-14mm  
1:2.8 PRO

₹ 88,980

by Rohinton Mehta

# Excellent!

the 7mm setting. At this point, the lens offers maximum magnification of 0.24x (in 35mm terms). Switching from AF to MF is really very simple; just pull back the focussing ring; push it back for AF.

On the left side of the lens is a L-Fn (Lens Function) button. By default, it is set to stop Continuous AF when pressed (you might want to do so if something comes in-between the lens and the subject and you do not wish the lens to try and focus on the intruding element). The L-Fn button can be programmed to set any one of 23 available functions.

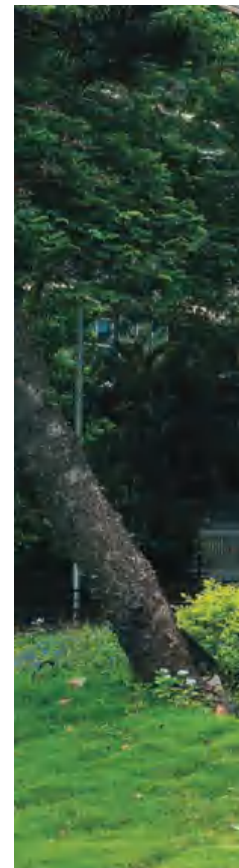
The lens is marked legibly at 7, 8, 9, 10, 11, 12 and 14mm settings. The zoom ring, almost 20mm wide, is well damped and is textured for a fine grip. The front element is bulbous and hence filters cannot be accommodated. A petal-type lens hood is built-in and a large front-end cap secures the front element from dust and damage.

### Ergonomics

The lens was tested on an Olympus OM-D EM-1 body, fitted with the Olympus accessory battery grip. The 7-14mm f/2.8 balanced very well though with smaller bodies, especially without the battery grip, the front end may feel a bit too heavy. The lens was easy and comfortable to use. The front element does not rotate during zooming and focussing, but as mentioned earlier, attaching filters is not possible due to the bulging front element.

### Performance

On the OM-D EM-1, autofocus was fast and quiet, though with low-contrast subjects, I did feel the lens sometimes hesitating to autofocus. Images were sharp and punchy, but Olympus EM-1 has too many features and functions. It is important to understand and set the functions correctly in order to obtain top-notch AF performance. I am mentioning this as many cameras these







Rohinton Mehta

Aperture: f/5  
Shutter Speed: 1/80sec  
ISO: 200

days have settings that can confuse the user and any wrong or not-the-best-setting could possibly be a cause for less-than-perfect autofocus. In such circumstances, the lens or the lens/body combo gets a bad rap.

Wide open (at f/2.8) at the 7mm setting (14mm in 35mm format), the center was quite sharp but the corners were slightly softer. This was observed at other focal lengths too. Stopping down the lens to f/4 improved the corner sharpness, bringing it closer to the center. I felt that around f/5.6 was the 'sweet spot'. With ultra-wide-angle lenses, it is difficult to critically assess sharpness differences due to the tremendous depth of field provided by the lens and the format. At f/16 and f/22, sharpness dropped due to diffraction of light.

Flare and ghosting was very well controlled, though you will notice it if you include the sun into the frame. There was a hint of chromatic aberration, but nothing to really worry about (Remember that modern image editing software, like Photoshop and Lightroom, can easily get rid of CA). Darkening of corners was evident at wide-open aperture at 7, 8, 9 and to some extent, at 10mm settings. Once again, modern image-editing software

can easily correct this situation.

I am very happy to say that the Olympus M.Zuiko DIGITAL 7-14mm f/2.8 PRO lens did not show any (visible) barrel or pincushion distortion, even when being very close to vertical and horizontal lines. That's how a pro lens should be!

### Value for Money

The M.Zuiko DIGITAL 7-14mm f/2.8 PRO lens is available at an MRP of Rs.88,980. On the face of it, and considering that this is only a 2x zoom, you might consider the lens to be expensive. But if you consider that it

### KEY SPECIFICATIONS

<b>Focal length:</b> 7-14mm (14-28mm equivalent)
<b>Construction:</b> 14 elements in 11 groups (includes 2 x Aspherical ED elements, 1 x DSA element, 1 x Aspherical element, 3 x Super ED elements, 1 x ED element, 2 x HR elements. Dust proof and splash proof mechanism)
<b>Focussing system:</b> High-speed Imager AF (MSC)
<b>Angle of view:</b> 114-75°
<b>Closest focus:</b> 0.2m
<b>Max. magnification:</b> 0.24x in 35mm format
<b>Diaphragm blades:</b> 7, Circular
<b>Aperture range:</b> F/2.8-22
<b>Dimensions:</b> 78.9mm (Dia.) x 105.8mm (L)
<b>Weight:</b> 534g

offers a maximum aperture of f/2.8 throughout the zoom range and the high optical quality it offers, I think the price is justified. **SP**

### FINAL SCORE



85.5%

#### Design and Build Quality 17/20



#### Key Features 18/20



#### Ergonomics 17/20



#### Performance

Autofocus 4/5

Sharpness 4/5

Distortion control 5/5

Aberrations 4.5/5

Darkening of corners 4/5

Extra features 4/5

**Sub-Total 25.5/30**

**Value for Money 8/10**



### PLUS

- Very good build quality
- Very good image sharpness
- Weather sealed
- Max. aperture f/2.8 throughout
- Movie and Still Compatible (MSC)
- No barrel/pincushion distortion

### MINUS

- Cannot use filters

### VERDICT

An excellent lens for nature/landscapes, interiors, architecture and cramped spaces. The Olympus M.Zuiko DIGITAL 7-14mm f/2.8 PRO lens should be in every Micro Four Thirds user's bag. Best Buy!



#### Inside the Box

- ✓ E560 Printer
- ✓ 2 Cartridges
- ✓ Power Cord
- ✓ USB Cord
- ✓ CD-ROM
- ✓ Product Literature

**A**t *Smart Photography*, we have been very strict about our review requirements and hence have always insisted on reviewing only serious photography and imaging products. But this time, the Canon representative claimed that the E560 is capable of good photo reproduction and insisted that it is very economical.

#### Design and Build Quality

The E560 has an engineering plastic exterior. Since it is a budget home printer, the build quality is not as impressive as the professional and semi-professional models. The flatbed scanner cover is predictably very fragile, because of variable-height hinges that enable scanning of thick media such as books. The printer has five buttons and the functions are clearly labelled. The cartridges are easy to replace, but there is no way to confirm that they have been installed properly, unlike in professional models which have LEDs on their cartridges for confirmation.

#### Key Features

The Pixma E560 is a home multifunctional device using Canon's FINE ink cartridges. It uses a PG-89 (Black) and CL-99 (Colour) cartridge for printing. The printer can reproduce images with a maximum resolution of 4800 dpi (horizontal) and 1200

Canon Pixma  
E560

₹ 8,495

□ Sujith Gopinath

## Fine-tuning Required

Canon has established itself as a complete imaging company with capability to manufacture sensors, processors, lenses and cameras along with printers and scanners. On our test bench we have the Pixma E560 home multifunctional device.

dpi (vertical). The printer has a total of 1792 nozzles, capable of a fine ink volume of up to 2picolitres.

Canon claims a print speed of approximately 44sec for a 4 x 6-inch photograph. It can accept a variety of media and supports up to 203.2mm of bordered and up to 216mm of

borderless printing. It supports A4, Letter, 4 x 6, 5 x 7, and 8 x 10-inch papers. It can also accept DL, and COM10 type envelopes. It supports auto 2-sided printing for A4, A5, B5, and Letter size plain papers.

The E560 houses a flatbed scanner that uses Contact Image Sensor (CIS)





Saturated colours



Subtle colours and detail



Black and White reproduction



Skin tone test

method for scanning. It has a maximum optical resolution of 1200 x 2400dpi and it can be manually selected from 25 to 19200dpi. It has a bit depth of 16 bits for input and 8 bits for output in greyscale and 16bits and 8bits respectively for colour. It can scan grayscale images at up to 1.2ms/line (300dpi) and colour images at up to 3.5ms/line (300dpi). It can scan reflective, A4 colour images (300dpi) in approximately 14sec. It can scan up to A4 / Letter size (216 x 297mm) documents. The copy function has a speed of approximately 25 sec for colour: sFCOT / Simplex type.

The device includes Wireless LAN network and is compatible with Google Cloud Print. The E560 has dimensions of 449 x 304 x 152mm (W x H x D) and weighs 5.4kg.

### Ergonomics

The Canon E560 is easy to set up, and the print head comes pre-installed. To install the cartridges, you need to keep



Five percent progressive black to white gradation

the front open and then switch on the printer. The printer will park the cartridges at the designated place and automatically open the cartridge chamber. The software allows you to

monitor the device's parameters, troubleshoot and run maintenance tasks with ease. There are shortcut buttons for colour and monochrome copying. For this, you do not need to connect the printer to the computer.

## KEY SPECIFICATIONS

<b>Maximum Print Resolution:</b>	4800 (horizontal) x 1200 (vertical) dpi
<b>Print Head / Ink Type:</b>	FINE Cartridge
<b>Number of Nozzles:</b>	1,792 Total
<b>Ink Droplet Size:</b>	2pl
<b>Ink Tank:</b>	PG-89 (Black), CL-99 (Colour)
<b>Print Speed:</b>	Photo (4 x 6") PP-201 / Borderless: approx. 44sec
<b>Printable Width:</b>	Up to 203.2mm (8inch), Borderless: Up to 216mm (8.5inch)
<b>Supported Paper Size:</b>	A4, LTR, 4 x 6", 5 x 7", 8 x 10"
<b>Bordered Printing:</b>	Top margin: 3mm, Bottom margin: 5mm; Left / Right margin: each 3.4mm (LTR / LGL: Left: 6.4mm, Right: 6.3mm)
<b>Paper Size:</b>	A4, A5, B5, LTR, LGL, 4 x 6", 5 x 7", 8 x 10", Envelopes (DL, COM10), Custom size (width 89mm - 215.9mm, length 127mm - 676mm)
<b>Auto 2-sided printing:</b>	Type: Plain Paper; Size: A4, A5, B5, LTR
<b>Scanner Type:</b>	Flatbed
<b>Scanning Method:</b>	Contact Image Sensor
<b>Optical Resolution:</b>	1200 x 2400dpi
<b>Selectable Resolution:</b>	25 - 19200dpi
<b>Scanning Bit Depth (Input / Output):</b>	Grayscale 16bits / 8bits; Colour: 48bits / 24bits (RGB each 16bits / 8bits)
<b>Line Scanning Speed</b>	<b>Grayscale:</b> 1.2ms/line (300dpi); <b>Colour:</b> 3.5ms/line (300dpi)
<b>Scanning Speed:</b>	Reflective, A4 Colour / 300dpi: Approx. 14secs.
<b>Maximum Document Size:</b>	Flatbed/Copy: A4 / LTR (216 x 297mm)
<b>Copy Speed:</b>	<b>Colour:</b> sFCOT / Simplex: approx. 25secs.
<b>Dimension (W x D x H):</b>	449 x 304 x 152mm
<b>Weight:</b>	5.4kg

## Performance

The Canon E560 was thrust upon us by Canon, claiming that it is a photo quality inkjet printer that is very economical to use. We tested the printer with Canon Photo Paper Plus Glossy II 275 gsm media. The E560 printed photographs well, but if you compare them with dedicated photo printers, there is still a long way to go. Colour gamut was decent for everyday printing, but not for photo printing. Text reproduction was satisfactory with the printer producing sharp images and we did not observe any moire patterns in closely spaced lines.

The overall contrast was low, and the prints appeared hazy. The blacks were never true black unless you printed them in greyscale. The scanner also produced grainy images and inconsistent colours. In many images, we could see coloured patterns. In High Quality mode, the printer reproduced an A4 borderless print in 3 minutes and 42 seconds, while in Standard Quality mode, it printed in 1 minute and 35 seconds.

The yield of a printer depends on the colours and colour depth of photographs. In our test printing, we used photographs with varying colour depths. We used new cartridges and the colour cartridge lasted for about 17 prints. The black ink might last a little longer since it has thrice the capacity that of the colour cartridge. This is not very economical for photo reproduction.

## Value for Money

The Canon Pixma E560 retails at an MRP of Rs.8495. The colour cartridge (CL-99) costs Rs.990, while the black cartridge (PG-89) retails at Rs.790. Though the printer is affordable, an A4 size colour photo print costs approximately Rs.58 (one colour cartridge lasted for 17 A4 size photo prints in our tests). **ISP**

## FINAL SCORE



76%

### Design and Build Quality 16/20



### Key Features 16/20



### Ergonomics 17/20



### Performance 15/20



### Value for Money 12/20



## PLUS

- Affordable MFD

## MINUS

- Not Economical
- Poor scan quality
- Photo quality leaves much to be desired

## VERDICT

The Canon Pixma E560 is good for everyday printing, producing above-average results for a four-colour home printer. However, with Epson's Ink Tank series of printers in the market, this is certainly not recommended because of the prohibitive cost per print.



# FRAMIES

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ISO 9001:2008 Certified Institute

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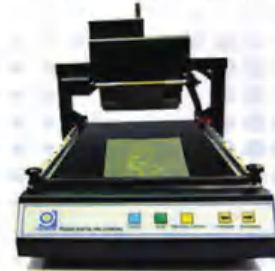
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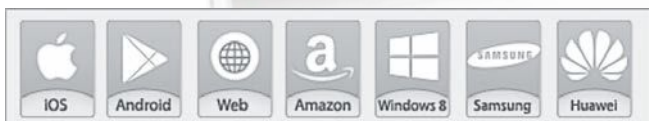
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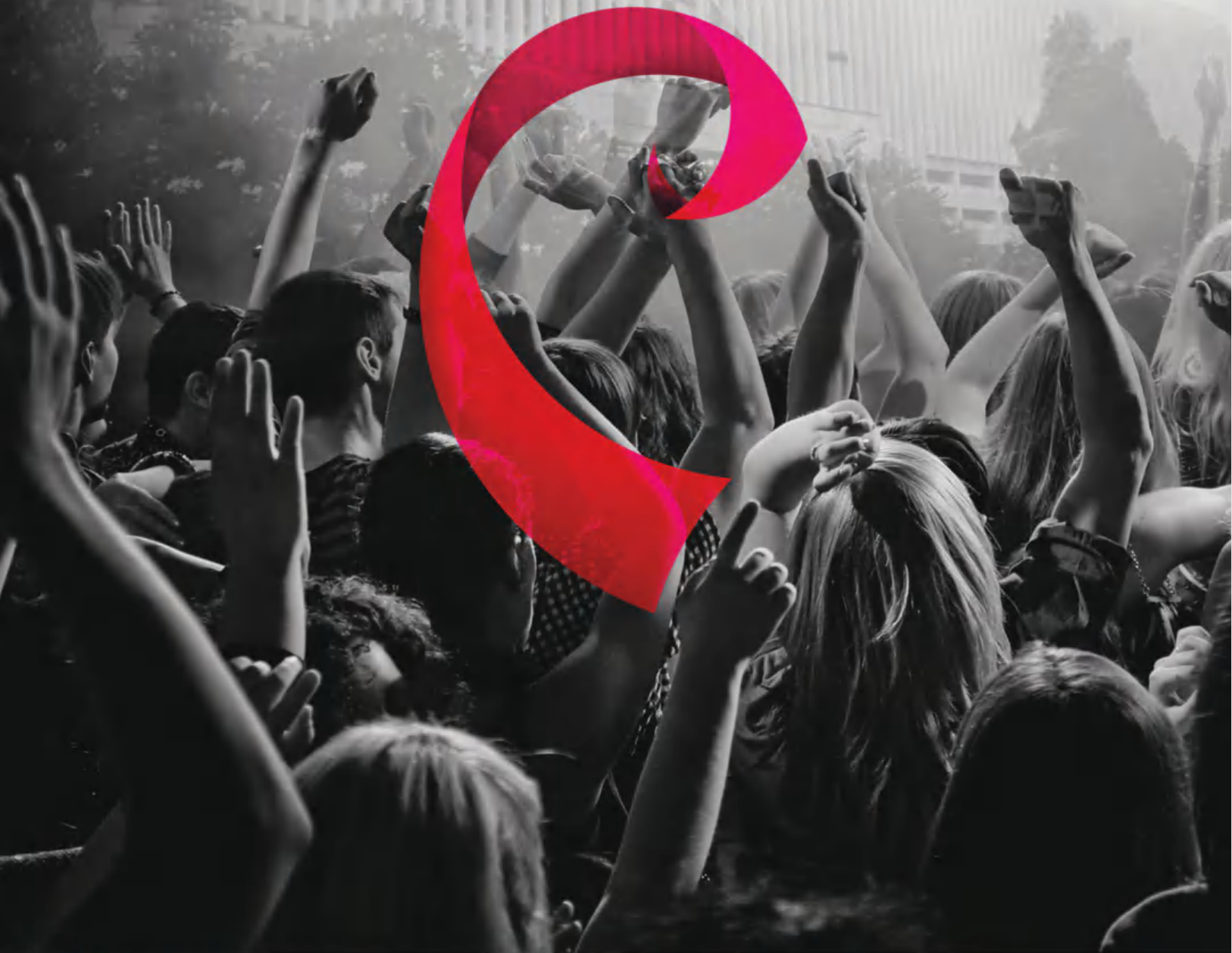
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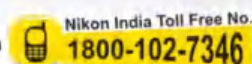
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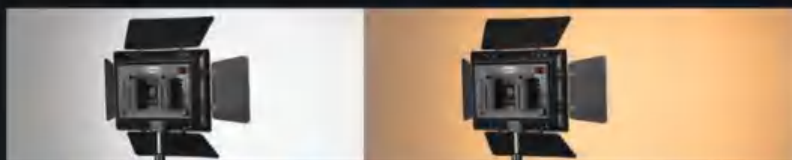
# New upgrade

## YN300 III + APP

LED Video Light



- \* Equipped with multi-channel wireless remote control, which can off-camera adjust the luminance and power switch, meanwhile you can respectively control 8 groups of luminance and power switch of the video light, allows you operate more easily.
- \* You can download the APP from the official website, control the LED video light through the mobile phone, read the current luminance and channel of the LED video light. You can also respectively control 8 groups of luminance and power switch of the video light, allows you control the LED video light as needed.
- \* Adopts the Yongnuo proprietary LED driving technology, definitely not appear the corrugated, stroboscopic and other negative phenomena when shooting.
- \* Adopts the encoder digital dimming which can be separately adjusted to rough dimming and fine dimming modes.
- \* Adopts LED digital display screen, the power output will be more intuition.
- \* Supports external DC power input, which convenient for your long shooting (the power adapter is optional).
- \* There are two color temperature of for your option.



## YN600L II + APP

YONGNUO LED Video Light

- \* YONGNUO LED Video Light Wireless Control System
  1. Supports controlling the parameters of this video light with mobile APP; separately controls switch, brightness and color temperature of the video light of 8 groups simultaneously
  2. Video lights of the same channel supports 2.4G wireless sync
  3. Equipped with 2.4G remote control with stable performance, supports controlling from a long distance or a random angle.
  4. Supports YONGNUO LED video light wireless control system, mutually communicate with YN900 video light and YN300III video light
- \* Ultrahigh Color Index
 

RA average value greater than 95; close to natural light and perfectly restores the color of the subject
- \* 600 LED beads with large chip
  1. Supports NP-F series lithium battery (suggested use)
  2. Supports connected to the external DC main for a long time service; adaptable voltage: 8V 5A (Do not use laptop AC adapter)
- \* Forced Air Cooling System
- \* Adopts proprietary LED driving technology which specially developed for supplementary lighting to effectively avoid corrugation, stroboscopic flash and dithering
- \* Two color temperature for selection: 5500K/3200K~5500K





At the heart of the image

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